

UNIVERSITY OF ILLINOIS

*Transactions  
of the  
Board of Trustees*

JULY 1, 1962, TO JUNE 30, 1964

A. J. JANATA  
Secretary

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# *Fifty-Second Report*

(SEVEN ANNUAL AND FORTY-FIVE BIENNIAL REPORTS)

## OF THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

FOR THE TWO YEARS ENDING JUNE 30, 1964



PUBLISHED BY THE UNIVERSITY OF ILLINOIS • URBANA

URBANA, ILLINOIS, JUNE 30, 1964

*Honorable Otto Kerner, Governor of Illinois:*

SIR: I have the honor to submit to you herewith, in compliance with the law, the fifty-second report of the Board of Trustees of the University of Illinois, for the two years ending June 30, 1964.

Respectfully yours,

A. J. JANATA, *Secretary*

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 CHARLES YESBRA ARNOLD, Ph.D., Professor of Vegetable Crops

- JOHN EDWARD BAERWALD, Ph.D., Professor of Traffic Engineering and Director of the Highway Traffic Safety Center
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 President and Provost, and Visiting Professor of Geography  
 YOSHIO SHIMAMOTO, Ph.D., Visiting Research Professor of Physics in the Digital Com-  
 puter Laboratory  
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 ROGER ADAMS, Ph.D., D.Sc., LL.D., Research Professor of Organic Chemistry  
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 WARREN O. BROWN, B.S., Associate Dean of Students  
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 MADELINE T. SHALABI, Ph.D., Associate Professor of Education



HAROLD M. SKADELAND, A.M., Associate Professor of Physics and Acting Associate Head of the Department  
 KIRKER SMITH, A.B., Assistant Dean of Admissions and Records  
 AGNES G. TANDBERG, A.M., Dean of Women  
 WALTER G. VERSEN, Ed.M., Assistant Professor of Physical Education for Men, Assistant Director of the Division of Physical Education, and Assistant Director of Athletics  
 JOHN W. WELDON, Ph.D., Assistant Professor of Chemistry  
 MERTON S. ZAHRT, Ed.D., Assistant Dean of Students

#### Retired Members Listed Alphabetically

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 MILES C. HARTLEY, Ph.D., B.Mus., Professor of Mathematics  
 JOHN OLIVER JONES, M.S., Professor and Associate Dean of Physical Education  
 JOSEPH STANLEY KOZACKA, M.S., Professor of Mechanical Engineering  
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**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**July 18, 1962**



The July meeting of The Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, on Wednesday, July 18, 1962, beginning at 10:00 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mrs. Frances B. Watkins, Mr. George T. Wilkins, Mr. Kenney E. Williamson. Judge Richard A. Harewood, Governor Otto Kerner, and Mr. Timothy W. Swain were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Mr. C. C. Caveny, Assistant to the President, Chicago Office, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. V. L. Kretschmer, Director of Auxiliary Services, Mr. Harry W. Pearce, Associate Director of the Physical Plant, Chicago Undergraduate Division, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. C. W. Weldon, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

**MINUTES APPROVED**

The Secretary presented the minutes of the meetings of the Board of Trustees on December 19, 1961, and January 11, 1962, press proof copies of which had previously been sent to the Board.

On motion of Mrs. Watkins, the minutes were approved as printed on pages 1215 to 1274, inclusive.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**

The Board took up consideration of the following reports and recommendations from the President of the University.

**PRESIDENT'S REPORT ON SELECTED TOPICS**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

**AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
ALFRED WILLIAM BRIEL	Evansville, Indiana	Indiana
RUFUS CARSON COX, JR.	Wilmette, Illinois	Ohio
JOSEPH J. GREENBERG	Skokie, Illinois	District of Columbia
FRANCIS XAVIER KUHN	Elk Grove Village, Illinois	District of Columbia
ALBERT ALLEN POLLANS	Chicago, Illinois	Florida

I concur.

On motion of Mr. Hughes, these certificates were awarded.

**APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY**

(2) The Committee on Accountancy recommends the appointment of Harry I. Grossman, Resident Partner of Altschuler, Melvin, and Glasser, Certified Public Accountants, Chicago, to the Board of Examiners in Accountancy for a three-year term beginning July 1, 1962, to succeed Mr. William Deeming whose term expired on June 30, 1962.

I concur.

On motion of Mrs. Watkins, this appointment was approved.

**APPOINTMENTS TO THE FACULTY**

(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. DENNIS AIGNER, Assistant Professor of Economics, beginning September 1, 1962, at an annual salary of \$8,250 (D).
2. JOHN J. ALDERSON, Consultant in the Jane Addams Graduate School of Social Work with rank of Assistant Professor, beginning September 1, 1962, at an annual salary of \$8,400 (D).
3. ARTHUR BOLZ, Assistant Professor of Hygiene and Staff Physician in the Health Center and McKinley Hospital, beginning September 1, 1962, at an annual salary of \$12,600 (BY).
4. S. A. BOWHILL, Professor of Electrical Engineering, beginning September 1, 1962, at an annual salary of \$14,000 (A).

5. SAMUEL G. CARMER, Assistant Professor of Agronomy, beginning July 1, 1962, at an annual salary of \$8,700 (DY).
6. CHARLES S. CHIHARA, Assistant Professor of Philosophy, beginning September 1, 1962, at an annual salary of \$7,300 (B).
7. MARY CLAIRE GRIFFIN, Associate Professor of Business Education, beginning September 1, 1962, at an annual salary of \$9,000 (D).
8. TEDDY R. JACKSON, Assistant Professor of Speech, Division of Humanities, Chicago Undergraduate Division, beginning September 1, 1962, at an annual salary of \$8,000 (B).
9. DANIEL KASTLER, Visiting Professor of Physics, for the academic year 1962-63, at a salary of \$11,000 (E).
10. HENRY J. LIPKIN, Visiting Professor of Physics, for the academic year 1962-63, at a salary of \$10,000 (E).
11. BERNARD M. NEFKENS, Research Assistant Professor of Physics, beginning September 1, 1962, at an annual salary of \$9,200 (DY).
12. AGNAR NYGAARD, Visiting Professor in the School of Life Sciences, beginning September 1, 1962, at an annual salary of \$12,000 (D).
13. R. NORMAN PEACOCK, Assistant Professor of Physics and in the Coordinated Science Laboratory, beginning June 1, 1962, at an annual salary of \$11,000 (DY).
14. EDWARD G. PERKINS, Assistant Professor of Food Technology, for two months from July 1, 1962, on eight-tenths time, at a salary of \$1,334; from September 1, 1962, on full time, at the annual salary of \$10,000 (DY80; DY).
15. BURT W. PHILLIPS, Assistant Professor of Psychiatry, College of Medicine, beginning July 1, 1962, on eight-tenths time, at an annual salary of \$11,500 (DY80).
16. MRS. JOSEPHINE PHILLIPS, Visiting Research Assistant Professor at University High School, beginning September 1, 1962, on three-fourths time, at an annual salary of \$7,500 (D75).
17. ALFRED G. REDFIELD, George A. Miller Visiting Professor of Physics, from October 1 to 31, 1962, at a salary of \$2,500 (G).
18. GEORGE A. RUSSELL, Associate Professor of Physics, beginning September 1, 1962, at an annual salary of \$13,500 (A).
19. WILLIAM R. SCHWARZ, Assistant Professor of Medical Illustration, Department of Illustration Studios, at the Medical Center, beginning September 1, 1962, at an annual salary of \$9,000 (BY).
20. THOMAS L. SWIHART, Assistant Professor of Astronomy, beginning September 1, 1962, at an annual salary of \$9,000 (B).
21. ROBERT E. THOMAS, Associate Professor of Music, Division of University Extension, beginning September 1, 1962, at an annual salary of \$9,000 (D).
22. JAMES A. TWEEDIE, Assistant Professor of Obstetrics and Gynecology, beginning August 1, 1962, at an annual salary of \$12,500 (DY).
23. CHARLES R. YOUNG, Assistant Professor of Hygiene and Psychiatrist in the Health Center, beginning September 1, 1962, at an annual salary of \$14,300 (DY).

On motion of Mr. Hughes, these appointments were confirmed.

#### SABBATICAL LEAVE OF ABSENCE

(4) The Head of the Department of Physiology and the Dean of the College of Medicine recommend, and I concur, that Dr. Ruven Greenberg, Associate Professor in that Department, be granted sabbatical leave of absence on full pay from January 15 to July 15, 1963. Application for this leave was received some time ago but administrative action was deferred pending receipt of additional information needed for adequate appraisal of his program of study and research.

On motion of Mr. Pogue, this leave was approved.

#### APPOINTMENTS TO THE STAFF OF THE CENTER FOR ZOONOSIS RESEARCH

(5) The Dean of the College of Veterinary Medicine and Director of the Illinois Center for Zoonoses Research recommends the following appointments to the staff of the Center:

*Senior Member*

MARK H. LEPPER, M.D., Professor of Preventive Medicine, and Head of the Department, College of Medicine, indefinite tenure.

The Dean of the College of Medicine concurs.

*Associate Member*

RICHARD WARWICK ARMSTRONG, Research Assistant in Physiology, University of Illinois, two years. Mr. Armstrong has been employed as a Research Assistant under a grant from the National Cancer Institute for work on the ecology of cancer under the supervision of Dr. Frederick Sargent II, a Senior Member of the Center for Zoonoses Research. Mr. Armstrong is also doing graduate work and will receive the Doctor of Philosophy degree in August, 1963. His appointment is approved by the Dean of the College of Liberal Arts and Sciences.

*Consultants*

BERNARD B. BERGER, Chief, Research Branch, Division of Water Supply and Pollution Control, Public Health Service, Department of Health, Education, and Welfare, Cincinnati, Ohio, two years.

LEIGHTON EGGERTSEN CLUFF, Associate Professor, Johns Hopkins University College of Medicine, two years.

I concur.

On motion of Mr. Hughes, these appointments were approved.

**ADVISORY COUNCIL OF LIBRARIANS**

(6) The Dean of Library Administration recommends establishment of an Advisory Council of Librarians for the Graduate School of Library Science. The Council would be made up of leaders in the profession in the state of Illinois and representatives of major types of libraries. Membership would include representatives of each of the four major types of libraries (college and university, school, public, and specialized libraries) with two ex-officio members, including the Assistant State Librarian and the President of the Illinois Library Association. Representatives of libraries would serve for varying terms.

The faculty of the School supports this recommendation. The following nominations are submitted, effective September 1, 1962:

*Public Libraries*

WILLIAM W. BRYAN, Librarian, Peoria Public Library, Peoria, three years

GRACE W. GILMAN, Librarian, Lincoln Library, Springfield, two years

*College and University Libraries*

VICTORIA HARGRAVE, Librarian, MacMurray College, Jacksonville, two years

DR. ROBERT R. HERTEL, Director of Libraries, Illinois State Normal University, three years

*School Libraries*

MRS. IMOGENE BOOK, Librarian, High School and Junior College, Mt. Vernon, two years

ELEANOR YOUNGMIRE, Supervisor, Oak Park Elementary Schools, three years

*Special Libraries*

WILLIAM S. BUDINGTON, Assistant Librarian, John Crerar Library, Chicago, two years

AGNES C. HENEBRY, Librarian, *Decatur Herald and Review*, three years

*Ex-Officio Members*

DE LAFAYETTE REID, Assistant State Librarian, Springfield

WILLIAM W. BRYAN, Librarian, Peoria Public Library, Peoria

President-elect, Illinois Library Association (while Mr. Bryan is being named in two capacities, his term as President of the Illinois Library Association will be for one year).

I concur.

On motion of Mr. Dilliard, these appointments were approved.

**ADVISORY COMMITTEES FOR COLLEGE OF AGRICULTURE**

(7) The Dean of the College of Agriculture recommends the following appointments and reappointments to advisory committees for the College of Agriculture and the Agricultural Experiment Station effective September 1, 1962, for three-year terms:

*Agricultural Economics*

HAROLD COUNCIL, Princeton

*Agricultural Engineering*

LEROY BARNES, Assistant Chief Engineer, Oliver Corporation, 714 North Chestnut, Shelbyville

RICHARD E. REEVES, Vice-President in charge of Engineering, Decatur Pump Company, 2750 Nelson Park Road, Decatur

*Agronomy*

JOSEPH B. MOUNTJOY, Mountjoy Hybrid Corn Company, Atlanta

JOHN F. RUNDQUIST, Butler

*Animal Science*

LLOYD HANNA, Roseann Farms, Farmersville (Manager, Gietl Bros., Springfield)

HENRY A. LONGMEYER, Greenfield

*Dairy Science*

HOMER CURTISS, Stockton

*Forestry*

W. A. GULLICKSEN, President, Churchill Cabinet Company, 2119 Churchill Street, Chicago 47

M. J. KISER, Alvin

K. STARR CHESTER, Technical Adviser, Alton Box Board Company, P. O. Box 276, Alton

*Horticulture (Food Crops)*

JOHN DEJONG, 18160 Paxton, Lansing

VICTOR ECKMAN, 3600 Fairmont Avenue, Collinsville

WAYNE ROBBINS, Campbell Soup Company, West Chicago

*Horticulture (Floriculture, Ornamentals)*

JOHN C. FIORE, Charles Fiore Nurseries, Route 22, Prairie View

The Dean of the College of Agriculture further recommends the following reappointments to the general committee for two years as members at large:

JOSEPH ACKERMAN, Managing Director, Farm Foundation, 600 South Michigan Avenue, Chicago 5

PAUL C. JOHNSON, Editor, *Prairie Farmer*, 1230 West Washington Boulevard, Chicago 7

I concur.

On motion of Mr. Hughes, these appointments were approved.

**DR. HARTWELL C. HOWARD SCHOLARSHIPS**

(8) As reported to the Board of Trustees on February 21, 1962, the University has received a bequest from the late Dr. Charles F. Howard of Champaign of approximately \$194,000 as an endowment to establish the Dr. Hartwell C. Howard Memorial Fund, the income to be used to aid premedical and predoctoral students. The amount of income now available for such student aid during the academic year 1962-63 is approximately \$2,000; and it is estimated that the endowment will produce at least \$5,000 each year thereafter.

It is recommended that the following rules be established for the administration of awards:

1. All the available income shall be used for undergraduate scholarships for premedical and predoctoral students.
2. Such scholarships shall be awarded by the University Committee on Undergraduate Scholarships on nomination of the premedical committees advisory to premedical and predoctoral students at Urbana-Champaign and at the Chicago Undergraduate Division.



3. The award shall be on the basis of financial aid and scholastic standing and following the same criteria applicable to awards of other undergraduate scholarships.

On motion of Mr. Johnston, these regulations were adopted.

#### ADMISSIONS REQUIREMENTS AND PROCEDURES

- (9) The three University Senates have approved the following recommendations from the All-University Committee on Admissions.

##### *Admission of High School Seniors in the Top Quarter of Their Classes*

The Dean of Admissions and Records is authorized to consider for admission high school seniors in the top quarter of their classes who apply for admission to sessions beginning in June, 1964, and thereafter, on the basis of official documents from their high schools and other secondary schools, viz: a statement of six semesters of completed high school work, a statement of the courses to be taken in the last two semesters, the date of probable graduation, and an estimate of the applicant's scholastic rank in his class.

##### *Admission of Foreign Students*

The Office of Admissions and Records is authorized to decide which student shall be classified as "foreign" according to the following definition:

A person who is a citizen or permanent resident alien of a country or political area other than the United States and has a residence outside the United States to which he expects to return and either is, or proposes to be, a temporary alien in the United States for educational purposes shall be classified as a foreign student.

An alien who has permanent resident (immigrant) status in the United States and has received such classification for convenience only and maintains a residence outside the United States which he has no intention of abandoning shall be classified as a foreign student upon receipt of valid evidence (notarized certificate) from the permanent resident alien attesting to these facts.

The test given by the English Language Institute, Testing and Certification Division, Ann Arbor, Michigan, shall be required of all foreign students, including transfers, who file applications for admission after September 1, 1962, except foreign students who are citizens of a country where the native language is English, or who have degrees from colleges or universities in countries where English is the native language and where all instruction was in English. A score on that examination will be received by the University of Illinois before action is taken on the student's request for admission. All prospective foreign students who receive a score below the minimum score of acceptance on the test will not be admitted to the University. The Dean of Admissions and Records may, however, upon recommendation of the college concerned, waive the requirement of test if evidence presented by the applicant clearly justifies such action.

The Senate Coordinating Council has considered these actions and has advised that they are ready for presentation to the Board of Trustees.

I concur in the recommendations.

On motion of Mr. Wilkins, these recommendations were approved.

#### REVISIONS IN CURRICULA

##### College of Agriculture

- (10) The Urbana-Champaign Senate has recommended revisions in the core curriculum in agriculture and the various majors related thereto, and in the agricultural science curriculum, effective September, 1962.

##### *Core Curriculum*

The core curriculum provides for a common program for the first two years of the undergraduate curricula in agriculture, with the exception of certain specialized curricula. All students in agriculture, except those in agricultural science, dairy technology, floriculture and ornamental horticulture, food technology, forestry, home economics, horticultural food crops, and restaurant management, pursue the same general core program for the first two years.

1. Addition of Agronomy 101, Introductory Soils, four hours, to the list of

Group I courses in agriculture from which all students in the core curriculum must complete fifteen hours.

2. Reduction of minimum required hours of agricultural courses from fifty to forty hours for all majors in the core curriculum except the major in general agriculture. The fifty-hour agriculture requirement for this major remains in effect because of its broad general nature. The reduction of ten hours in agriculture courses in the other majors will permit greater flexibility for the student and his adviser in designing programs to fit individual needs. The ten hours may be used for additional work in general education, supporting basic sciences, or other open electives.
3. Minor revisions in the majors in dairy science and agricultural mechanization:

#### MAJOR IN DAIRY SCIENCE

Instead of requiring specific courses in agriculture, the revised major requires fifteen hours selected from Group I courses in agriculture, fifteen hours selected from a group of advanced-level (200 or 300) courses in agriculture, and ten hours of additional advanced-level elective courses in agriculture. This choice of courses is desirable to provide an opportunity for the student to emphasize subject-matter areas of dairy science, such as nutrition, physiology, genetics, or management.

The requirement in science and supporting courses, in addition to the core requirement, is increased from six to nine hours.

The minimum requirement in agricultural hours is reduced from fifty to forty hours. See 2 above.

#### MAJOR IN AGRICULTURAL MECHANIZATION

A reduction of the minimum requirement of agriculture courses from fifty to forty hours. See 2 above.

An increase in the physical science requirement by seven hours. Mathematics 114, Trigonometry, and Physics 101, General Physics, have been added as requirements. An option is also provided for the student to take Chemistry 132 or 133, Elementary Organic Chemistry, or Physics 102, General Physics. This increased emphasis in the physical sciences will enable agricultural mechanization majors to better meet future changes in agriculture through stronger basic training.

An increase in the requirement of courses in the areas of business and communications from fifteen hours to eighteen hours. The majority of the graduates of this major enter businesses that are closely allied to agriculture. Therefore, training in business organization, operation, management, marketing and communications is essential.

#### *Agricultural Science Curriculum*

The required hours of agricultural courses for graduation in this curriculum is reduced from thirty-five to thirty with a minimum of fifteen of the thirty hours in courses at the junior-senior level.

This curriculum is designed for students who plan to do graduate work in certain fields or engage in professional work requiring more science, mathematics, or engineering than included in the core curriculum. The curriculum provides an opportunity for individually planned programs of study under the supervision of faculty advisers. The reduction of five hours in required agricultural courses will allow an increase of five hours in open electives, giving the student the opportunity to use these electives to strengthen his program of basic science or supporting courses.

Adding the requirement of a minimum of fifteen hours of advanced level courses in agriculture will strengthen the program.

Entering freshmen must rank in the upper half of their high school graduating classes; and must maintain a 3.5 scholastic average to remain in and graduate from the curriculum.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

#### College of Commerce and Business Administration

The Urbana-Champaign Senate recommends two major changes in the general curriculum in the College of Commerce and Business Administration required of all students in the college, except those majoring in teacher education. The changes

include an increase in the amount of time spent on general education and an increase in the number of hours required for graduation from 126 to 132 hours, excluding the general University requirements of military training and physical education. The new requirements will become effective for students enrolling after June 1, 1964.

<i>Additions</i>	<i>Hours</i>
Electives in Economics.....	3
Electives in Humanities and Social Science.....	8
Mathematics (beyond College Algebra).....	7
Logic.....	3
Economic Analysis (advanced).....	3
Business Statistics .....	3
<i>Total Additions</i> .....	<u>27</u>

<i>Deletions</i>	<i>Hours</i>
Any one of: Economics 136, American Economic History; Economics 138, European Economic History; Geography 105, Introductory Economic Geography; History 101, Ideas and Institutions in the Western World.....	3
Mathematics 111 or 112, College Algebra.....	3
Science or Advanced Mathematics Electives.....	4
Field of Concentration and Free Electives.....	<u>11</u>
<i>Total Deletions</i> .....	<u>21</u>

The Senate Coordinating Council has reported that this revision has been cleared with representatives of the Chicago Undergraduate Division Senate.

### College of Education

The Urbana-Champaign Senate has recommended revisions in the industrial education curricula and in the curriculum preparatory to teaching mentally handicapped children, effective September 1, 1962.

#### *Industrial Education Curricula*

There are three optional curricula available to students interested in majoring in industrial education.

**OPTION I**—designed primarily to prepare instructors of industrial arts.

1. Delete Mathematics 117, Combined Freshman Mathematics (Algebra and Trigonometry); substitute Mathematics 112, College Algebra, and Mathematics 114, Trigonometry, wherever they do not already appear as an alternate choice. This involves no change in the semester-hour requirement in mathematics.
2. Substitute Education 240, Principles of American Secondary Education, two hours, for the more specialized course, Industrial Education 381, Principles of Vocational Education, three hours, and increase the free electives by one hour. Total hours required for graduation remain the same.
3. Delete Agricultural Engineering 142, Gas Engines and Tractors, from the suggested electives.

**OPTION II**—designed to prepare vocational-industrial instructors.

1. Same as No. 1 in Option I.
2. Delete Journalism 204, Typography, two hours, as a requirement; add Industrial Education 384, General Shop Program, four hours, as a requirement, and decrease the number of electives required by two hours. Total hours for graduation remain the same.
3. Delete Industrial Education 186, Automotive Maintenance, three hours, and add Industrial Education 383, Development, Organization, and Principles of Industrial Education, three hours.

**OPTION III**—designed to prepare personnel for employment in training departments maintained by industrial plants.

1. Same as No. 1 in Options I and II.
2. Substitute Sociology 218, Technology and Social Change, three hours, for Sociology 318, Human Relations in Industry, three hours.

3. Delete the requirements of three hours of electives and add Industrial Education 383, Development, Organization, and Principles of Industrial Education, three hours.

#### *Curriculum Preparatory to Teaching Mentally Handicapped Children*

##### FIRST YEAR

Increase the range of alternatives which students can choose, i.e., if a student does not take Division of General Studies 131, Biological Science, he may take any two of the following: Physiology 103, 104, 105, 106; Botany 100; or Zoology 104 — all of these being elementary courses in these fields.

Psychology 100, Introduction of Psychology, moved to the second semester of the first year in order to provide more time in the second semester of the curriculum.

##### SECOND YEAR

Education 117, Exceptional Children, moved from third year to the second year.

Education 201, Foundations of American Education, added to meet the requirement of the elementary education curriculum and is a substitute for Education 101, The Nature of the Teaching Profession.

##### THIRD YEAR

Add Music 240, Music for Elementary Teachers.

Substitute Education 233, Classroom Programs in Childhood Education, for Education 230, Principles of Elementary Education.

Add Mathematics 202, Mathematics for Elementary Teachers.

Substitute Psychology 250, Psychology of Personality, for Education 237, Child Development for Elementary Teachers.

Add Psychology 216, Child Psychology, as an alternative to Education 236, Child Development for Elementary Teachers.

Delete Education 218, Remedial Reading in the Elementary School.

Move Education 324, Mental and Educational Measurement of Exceptional Children, from the third year to the fourth year.

With the revisions recommended the curriculum will qualify graduates to teach in classes for normal children in elementary schools and in classes for educable mentally retarded children in elementary and secondary schools. The revisions do not affect the number of hours required for graduation.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

#### **College of Fine and Applied Arts**

The Urbana-Champaign Senate has recommended revisions in the crafts option curriculum in the Department of Art and in the music composition curriculum, effective September 1, 1962.

##### *Crafts Option in the Department of Art*

Substitute Art 290, Ceramic Raw Materials, and Art 291, Glaze Calculation, in the third-year requirements in the ceramic emphasis of the curriculum for Ceramic Engineering 101, Introduction, and Ceramic Engineering 102, Processes.

Substitute Art 125-126, Life Drawing, Art 141-142, Still Life Painting, and Division of General Studies 142, Physical Science, in the second-year requirements in the ceramic emphasis of the curriculum for Mathematics 111 or 112, Algebra, Mathematics 114, Trigonometry, and Chemistry 101, General Chemistry.

Eliminate in both the ceramic and metal emphasis of the curriculum the third-year requirements of Art 190 and 191, Recreational Crafts, and incorporate changes to permit the election of Home Economics 337, Textile Design, or additional art electives.

Increase the humanities requirement from five to six hours and reduce the total art electives by one hour in the metal emphasis of the curriculum.

##### *Music Composition Curriculum*

Reduce Music 106, Composition, from four to two hours each semester. Music 106 is required each semester for the first two years.

Reduce Music 102, 103, and 104, Theory, from four-hour courses to three-hour courses; Music 101, Theory, is now a three-hour course. Add Music 107,

108, and 109, Ear Training and Sight Singing, one hour each. Composition majors will take Music 101 in the first semester, 102 and 107 in the second semester, 103 and 108 in the third semester, and 104 and 109 in the fourth semester.

Reduce applied music requirement from twenty-four to sixteen hours.

Reduce music history requirement in the junior and senior years from twelve to six hours by selecting six hours from Music 310, 311, 312, and 313 rather than requiring all four of them as is now the case.

Add Music 315, Contemporary Music, two hours, to the requirements for graduation.

These changes increase the number of electives by five hours, from 20-22 to 25-27.

The electives must include at least sixteen hours in humanities, social sciences, or natural sciences, in addition to the prescribed curriculum.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

### College of Liberal Arts and Sciences

#### *Curriculum Preparatory to the Teaching of English*

The Urbana-Champaign Senate recommends revisions in the curriculum leading to the Degree of Master of Arts in the Teaching of English and recommends an optional curriculum for graduate students whose undergraduate work was not in a teacher-preparation program but who wish to do graduate work in the teaching of English at the secondary school level.

#### REVISIONS IN CURRICULUM FOR STUDENTS WITH TEACHER'S CERTIFICATES

##### *First Semester*

*Units*

Delete one unit of electives.

Specify the following courses:

English 445, Introduction to Advanced Graduate Study.....	1/4
English 387, The Structure of English, or, Rhetoric 480, The Theory and Practice of English Composition.....	1/2 to 3/4

##### *Second Semester*

Delete one unit of electives.

Specify the following courses:

English 446, Introduction to Advanced Graduate Study.....	1/4
English 447, Background Materials for High School Teachers of English, or, Education 456, Curriculum Problems and Trends in Specialized Fields of Secondary Education .....	1

At least one course in English must be selected from courses numbered 450 to 490, problems courses for advanced graduate students..... 2

Candidates for the degree of Master of Arts in the Teaching of English are required to pass a final examination in the field of English and deposit a special term paper with the Executive Secretary of the Department.

#### OPTION FOR STUDENTS WITHOUT TEACHER'S CERTIFICATES

Each candidate for this degree should apply for admission to advanced standing in teacher education with the adviser of the program at the time of his first registration.

*Units*

English 445, Introduction to Advanced Graduate Study.....	1/4
English 446, Introduction to Advanced Graduate Study.....	1/4
English 387, The Structure of English, or, Rhetoric 480, The Theory and Practice of English Composition.....	1/2 to 3/4
English, at least one course must be selected from courses numbered 450 to 490, problems courses for advanced graduate students.....	4
Education 311, Psychology of Learning for Teachers.....	1/2
Education 312, Mental Hygiene and the School.....	1/2
Two of the following courses.....	1
Education 301, Philosophy of Education.....	1/2
Education 302, History of American Education.....	1/2
Education 303, Comparative Education.....	1/2
Education 304, Social Foundations of Education.....	1/2
Total.....	at least 8

Education 241, Technic of Teaching in the Secondary School (to be taken without graduate credit)

Education 242, Educational Practice in Secondary Education (to be taken without graduate credit)

Candidates for the degree of Master of Arts in the Teaching of English must also pass a final examination required of all master's candidates in the field of English and deposit a special term paper with the Executive Secretary of the Department.

The Senate has advised that the changes have been approved by the University Council on Teacher Education, the Policy Committee of the College of Education, and the Executive Committee of the Graduate College. The Senate Coordinating Council has advised that no other Senate jurisdiction is involved.

#### *Prelaw Curriculum*

The Urbana-Champaign Senate recommends that the statement of graduation requirements from the prelaw curriculum be revised to read:

Students preparing for the study of law ordinarily complete the first three years of the general curriculum in liberal arts and sciences before entering the College of Law.

A student who has completed ninety hours (excluding basic military training and physical education) and who has been in residence either the first two years or the last year of his prelegal work<sup>1</sup> may count toward the Bachelor of Arts degree a maximum of thirty-two hours in the University of Illinois College of Law, subject to the restrictions on courses taken in colleges other than Liberal Arts and Sciences.

A student who has completed his first ninety hours (excluding basic military training and physical education) in residence<sup>1</sup> at the University of Illinois and who transfers to an accredited college of law other than that of the University of Illinois may count a maximum of thirty-two hours of law toward the Bachelor of Arts degree, subject to the restrictions on courses taken in colleges other than Liberal Arts and Sciences.

The applicant for the degree should petition the Dean of the College of Liberal Arts and Sciences, who may approve the granting of the degree if all the college and University requirements have been met.

The present requirements include a 3.5 average for graduation. Since the College of Law will admit students with scholastic averages below 3.5, provided that they have made acceptable scores in the Law School Admission Test, the change in the grade-point average is recommended to make the requirements in the curriculum consistent with those of the College of Law.

The other change relates to quality of work in the fourth year and is recommended so that the prelaw curriculum requirements will be consistent with those of other curricula in Liberal Arts and Sciences.

The Senate Coordinating Council advises that no other Senate jurisdiction is involved.

#### **College of Veterinary Medicine**

The Urbana-Champaign Senate has recommended a major revision in the veterinary medical curriculum, effective September 1, 1962. The changes are a result of the re-evaluation of the present curriculum, the objective of which is to offer better preparation of veterinary medical students to meet professional needs and demands following graduation. Significant changes have occurred during the past few years and are still occurring in medical and health sciences and their application. The proposed curriculum provides improved continuity of course sequences and permits consolidation and integration of subject matter materials of related areas.

#### *Courses Added*

An. Sci. 201, Animal Management, 4 credit hours, 4 clock hours  
V.C.M. 342, Diseases of Small Animals, 2 credit hours, 2 clock hours  
V.P.H. 322, Veterinary Bacteriology, 5 credit hours, 9 clock hours  
V.P.H. 333, 343, Clinical Pathology Conference, 0 credit, 1 clock hour

<sup>1</sup> A student who does part of his prelegal work at the Chicago Undergraduate Division must complete his junior year with at least 30 semester hours in residence on the Urbana campus to satisfy this requirement.

V.P.H. 345,<sup>1</sup> Environment and Disease in Livestock Production, 2 credit hours, 2 clock hours

V.P.H. 347,<sup>1</sup> Management and Diseases of Laboratory Animals, 2 credit hours, 2 clock hours

V.P.P. 321, Physiology, 3 credit hours, 5 clock hours

V.P.P. 346, Nutritional Deficiencies, 2 credit hours, 2 clock hours

#### *Courses Dropped*

An. Sci. 103, Market Classes and Grades of Livestock, 3 credit hours, 5 clock hours

Bot. 226, Poisonous Plants, 2 credit hours, 4 clock hours

Dairy Sci. 100, Introduction to Dairy Production, 3 credit hours, 3 clock hours

Food Tech. and V.P.H. 332, Principles of Sanitation in Processing and Handling of Foods, 2 credit hours, 4 clock hours

Microbiology 200, 201, Microbiology, 5 credit hours, 9 clock hours

#### *Courses Revised*

V.A. 315, Applied Anatomy, 2 credit hours, 3 clock hours

V.C.M. 340, Veterinary Jurisprudence and Ethics, 3 credit hours, 3 clock hours

V.P.H. 323, Veterinary Microbiology and Immunology, 4 credit hours, 7 clock hours

V.P.H. 324, Protozoan and Arthropod Parasites, 3 credit hours, 5 clock hours

V.P.H. 327, Helminth Parasites, 3 credit hours, 5 clock hours

V.P.P. 323, Physiology, 3 credit hours, 6 clock hours

V.P.P. 330, Pharmacology and Toxicology, 4 credit hours, 8 clock hours

#### *Courses Changed in Sequence*

An. Sci. 110, Plant and Animal Genetics, 3 credit hours, 4 clock hours

An. Sci. 220, Feeds and Feeding, 3 credit hours, 4 clock hours

An. Sci. 304, Poultry Management, 3 credit hours, 3 clock hours

V.A. 315, Applied Anatomy, 2 credit hours, 3 clock hours

V.C.M. 339, Radiology, 2 credit hours, 3 clock hours

V.P.H. 325, General Pathology, 5 credit hours, 8 clock hours

V.P.H. 326, Special Pathology, 5 credit hours, 9 clock hours

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I concur in all the foregoing recommendations.

On motion of Mr. Hughes, these recommendations were approved.

#### DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS

(11) The Director of the School of Life Sciences and the Dean of the College of Liberal Arts and Sciences recommend that the name of the Department of Physiology be changed to the Department of Physiology and Biophysics. I have approved this change administratively and report it for record.

This report was received for record.

#### NATIONAL SCIENCE FOUNDATION GRANTS AND MATCHING FUNDS

(12) The National Science Foundation has made grants to the University for remodeling of research space in the Animal Genetics Laboratory, \$14,800, and renovation and equipping laboratory facilities for research in Physiology and Biochemistry, \$10,600, on condition that they are matched by funds from non-federal sources to the extent of at least 50 per cent of the direct costs of the projects.

These grants have been accepted and it is recommended that assignments of the required matching funds be made from the following sources.

For Remodeling of Research Space in Animal Genetics Laboratory from:

Animal Science (Indirect Costs).....	\$ 4 500
Graduate Research Unassigned Funds (Indirect Costs).....	4 500
General Indirect Costs.....	6 000
Total.....	\$15 000

<sup>1</sup> Elective courses V.P.H. 345 and 347 are to be offered the second semester of the fourth year. The student is to be limited to only one elective course. V.P.P. 346 is an elective course to be offered the first semester of the fourth year.

For Renovation and Equipping Laboratory Facilities for Research in Physiology and Biochemistry from Indirect Costs (General)..... \$10 600  
I concur.

On motion of Mrs. Watkins, these assignments of funds were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

#### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(13) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

1. College of Agriculture	
Dairy Science, fluorescent lights in Animal Sciences Laboratory.....	\$ 7 304
Forestry, pressure-vacuum cylinder.....	10 000
2. College of Education, remodeling basement in Lincoln Hall for research space .....	16 000
3. College of Engineering	
Electrical Engineering, equipment.....	50 000
Engineering Experiment Station, multi-channel analyzer for nuclear engineering.....	20 000
4. College of Liberal Arts and Sciences	
Botany, research facilities.....	4 650
Chemistry	
Remodeling and rehabilitation of laboratory and other areas used by the analytical, biochemistry, inorganic, organic, and physical divisions .....	30 000
Undergraduate laboratory equipment.....	21 361
Geology, equipment and remodeling.....	7 615
Zoology, revamping water supply for Vivarium.....	4 317
5. Library Administration, 2,000 books for library at Pennsylvania Avenue Residence Halls.....	10 000
6. College of Physical Education, renovation of deck space at the English Building swimming pool for office quarters and showers.....	8 500
7. Office of Public Information, multigraph duplicating equipment.....	3 396
8. Physical Plant	
Skating Rink, roof repairs.....	3 200
Remodeling in the English Building to provide two additional classrooms.....	5 865
9. University Press, inserting machine for Mailing Center.....	15 000
10. Chicago Medical Center	
Medical Research Laboratory, installation of electronic air cleaners..	4 800
Research and Educational Hospitals, equipment (magnascanner).....	9 600
Total.....	\$231 608

I concur.

On motion of Mrs. Watkins, these appropriations were made, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

#### CONTRACT FOR CAMPUS BUS SERVICE

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract with the Champaign-Urbana City Lines, Inc., for a campus bus service for students and staff along the lines of the bus service operated under a University contract last year. Specific recommendations are that:

Authority be granted to continue the Illi Bus operation during the 1962-63 academic year starting September 11, 1962.

The five-cent fare per passenger be continued except that those students living in Orchard Downs will be issued passes to ride free from the Downs to any point on the route; however, the passes will be honored only for a return trip



to the Downs from the corner of Nevada Street and Goodwin Avenue, or at any regular bus stop between that corner and Orchard Downs.

The University be authorized to enter into an agreement with the Champaign-Urbana City Lines, Inc., for the 1962-63 academic year based on a rate of \$5.15 per bus hour of operation (this includes use of the equipment and employment of necessary personnel to provide the desired bus service, and sufficient insurance to protect both the company and the University against liability for personal injuries or property damages arising out of the operation of this service).

The cost of operating this service will be financed as follows: fares collected from students and staff members, and \$30,000 from Housing Division Funds.

Further experimentation be authorized to improve and extend the service to all parts of the campus area and to determine the extent to which the Illi Bus service can assist in the solution of the campus parking problem.

The service be discontinued effective June 8, 1963, with the close of second semester examinations.

A report on the trial operation of Illi Bus during 1961-62 is submitted in support of the proposed continuation of the service.

I concur in these recommendations.

On motion of Mr. Johnston, these recommendations were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

#### CONTRACTS FOR REMODELING DENTISTRY-MEDICINE-PHARMACY BUILDING

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for remodeling in the first unit of the Dentistry-Medicine-Pharmacy Building for the Department of Biochemistry in the College of Medicine, the award in each case being to the lowest bidder:

General—Mutual Contracting Company, Chicago.....	\$ 35 184	
Base bid .....	\$22 782	
Additive alternates		
Service charge for supervision of other contracts assigned to general contractor.....	1 500	
Additional laboratory section.....	10 902	
Plumbing—H. P. Reger and Company, Chicago.....		11 020
Base bid .....	\$ 6 940	
Additive alternate for additional laboratory section.....	4 080	
Heating and Refrigeration—Utility Air Conditioning and Heating Company, Oak Park.....		12 455
Base bid .....	\$ 8 485	
Additive alternate for additional laboratory section.....	3 970	
Ventilating—The Robert Irsay Company, Skokie.....		22 838
Base bid .....	\$16 150	
Additive alternate for additional laboratory section.....	6 688	
Pipe Covering—Brand Insulations, Inc., Chicago.....		1 310
Base bid .....	\$ 1 195	
Additive alternate for additional laboratory section.....	115	
Electrical—Wadford Electric Company, Chicago.....		9 386
Base bid .....	\$ 8 100	
Additive alternate for additional laboratory section.....	1 286	
Laboratory Equipment—Browne-Morse Company, Muskegon, Michigan .....		45 405
Base bid .....	\$34 578	
Additive alternate for additional laboratory section.....	10 827	
<b>Total Contracts .....</b>	<b>\$137 598</b>	

The work will include the first phase of the rehabilitation of the Department of Biochemistry laboratory, part of the 1961-63 building program at the Medical Center; the remainder of the remodeling, approximately one-half of the labora-

tory area, will be done in the 1963-65 biennium. This phasing is necessary since all of the laboratory area can not be closed for remodeling at one time.

It is further recommended that all contracts other than the general contract be assigned to the contractor for the general work, making the total of his contract price \$137,598.

It is further recommended that an agreement be entered into with Mutual Contracting Company for the assignment of these other contracts for \$1,500, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

#### **CONTRACTS FOR DIESEL GENERATOR AND DISTRIBUTION SYSTEM AT MEDICAL CENTER CAMPUS**

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for the construction of a small building and installation of an emergency generator set and distribution system at the Medical Center, the award in each case being to the lowest bidder:

Building — R. V. Monahan, Chicago.....\$19 474  
Installation of Emergency Diesel Generator Set and Distribution System

— Fries-Walters Co., Chicago..... 80 618

The emergency electrical system, when completed, will serve critical areas in the hospitals in case of failure of the electric power supply. The project is a part of the 1961-63 building program at the Medical Center.

Funds are available in the state capital appropriations for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Johnston, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

#### **CONTRACT FOR MODIFICATIONS OF COLDWATER SYSTEM IN DENTISTRY-MEDICINE-PHARMACY BUILDING**

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$22,332 to the Ashland Plumbing and Heating Company, Chicago, the lowest bidder, for modifications of the coldwater system in the second unit of the Dentistry-Medicine-Pharmacy Building.

The work will consist of the installation of new house pumps and associated equipment which will approximately double the capacity of the system in the building, and will eliminate difficulty in supplying water at the required pressure to the upper floors of this fourteen-story building which has been experienced with increased building usage.

Funds are available in the state capital appropriations for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mrs. Watkins, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

**CONTRACTS FOR CONSTRUCTION OF ADDITION TO THE LIBRARY**

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for construction of the seventh addition to the Library, the award in each case being to the lowest bidder:

General — Pathman Construction Co., Chicago.....	\$496 880
Base bid .....	\$440 880
Additive alternate to relocate Library tennis courts.....	47 500
Additive alternate for service charge for supervision of other prime contracts assigned to general contractor.....	8 500
Electrical — Square Deal Electrical Contracting, Inc., Urbana.....	\$ 81 140
Base bid .....	\$ 67 663
Additive alternate to relocate Library tennis courts.....	13 477
Plumbing — George S. Walker Plumbing and Heating, Inc., Decatur....	55 660
Base bid .....	\$ 47 360
Additive alternate to relocate Library tennis courts.....	8 300
Heating, Refrigeration, and Temperature Control — R. H. Bishop Company, Champaign .....	84 743
Ventilating — F. R. Inskip and Company, Champaign.....	69 940
Elevator — Otis Elevator Company, Chicago.....	24 469
<i>Total Contracts</i> .....	<i>\$812 832</i>

It is further recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract price \$812,832.

It is further recommended that an agreement be entered into with the Pathman Construction Company for the assignment of these other contracts for \$8,500, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available from state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

**CONTRACT FOR CONSTRUCTION OF ADDITIONAL SPACE IN THE ARMORY**

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts, subject to the release of funds, for the construction of a four-story addition at the west end and a balcony on the north and south sides of the interior of the Armory, the award in each case being to the lowest bidder:

General — Pathman Construction Co., Chicago.....	\$421 992
Base bid .....	\$418 539
Additive alternates for vinyl asbestos tile and gypsum plaster surfacing on concrete block walls.....	3 453
Plumbing — George S. Walker Plumbing and Heating, Inc., Decatur....	36 700
Electrical — Downtown Electric Company, Urbana.....	96 325
Heating, Refrigeration, and Temperature Control — Ideal Heating Company, Chicago .....	139 777
Ventilating — R. H. Bishop Company, Champaign.....	26 774
Elevator — Otis Elevator Company, Chicago.....	27 287
<i>Total Contracts</i> .....	<i>\$748 855</i>

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, subject to release.

Submitted herewith is a supporting memorandum from the Physical Plant Department on this project, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

#### **CONTRACT FOR POWER PLANT PIPING SYSTEM AND MISCELLANEOUS EQUIPMENT**

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contract for \$178,950 to Blaw-Knox Company, Power Piping Division, Pittsburgh, Pennsylvania, for piping system and miscellaneous equipment, and the furnishing and installation of an ash conveyor air washer to remove steam jet exhaust from Stack Number 2, for an addition to the Abbott Power Plant (Boiler No. 7).

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

#### **CONTRACT FOR REROOFING EVANS HALL**

(21) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$51,706 to the Petry Roofing and Sheet Metal Company, Champaign, for reroofing Evans Hall.

Funds are available in the Housing Division Maintenance Reserve.

I concur.

On motion of Mr. Williamson, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

#### **CONTRACTS FOR LANDSCAPE WORK AT THE ILLINI UNION ADDITION, STUDENT SERVICES BUILDING, LABOR AND INDUSTRIAL RELATIONS BUILDING, AND PENNSYLVANIA AVENUE RESIDENCE HALLS**

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for landscape construction work, the award in each case being to the lowest bidder:

Twin City Landscape Service, Inc., Urbana	
Illini Union Addition.....	\$ 8 904 82
Student Services Building.....	3 086 15
Pennsylvania Avenue Residence Halls.....	16 870 74
Henry Nurseries, Henry, Illinois—Labor and Industrial Relations Building.....	2 676 21

Funds are available in the construction budgets for these projects.

Submitted herewith is a report from the Physical Plant Department, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, these contracts were awarded, as rec-

ommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

**CONTRACT FOR LONG-RANGE PLANNING FOR THE UNIVERSITY  
BUSINESS DISTRICT IN CHAMPAIGN**

(23) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the University be authorized to enter into an agreement with the city of Champaign for the employment of Harland Bartholomew and Associates for the preparation of a long-range development plan for the area bounded by University property on the south and east, the Illinois Central Railroad right-of-way on the west, and University Avenue on the north. The University will share equally in the cost of the preparation of this plan with the city of Champaign and the Campus Businessmen's Association. The University's share of the cost will not exceed \$3,000.

The plan will provide an orderly development of the commercial and surrounding residential areas and should provide coordination between the University's expansion and commercial improvements (both service and residential investments).

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Pogue, this agreement was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

**EMPLOYMENT OF HARLAND BARTHOLOMEW AND ASSOCIATES  
FOR LONG-RANGE PARKING PROGRAM**

(24) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of the employment of Harland Bartholomew and Associates, St. Louis, Missouri, for development of a long-range parking program for the Urbana-Champaign Campus.

Due to losses of on-street parking spaces and of parking facilities for University staff resulting from new building construction, and an anticipated enrollment expansion which concurrently adds to the staff, it is proposed that a program be developed for construction of additional facilities which will be realistic in terms of need and which can be financed by the University.

As the Physical Plant Department does not have personnel for this type of planning, it is necessary to retain outside professional services. Based on recent studies completed in this area by the firm of Harland Bartholomew and Associates, the firm should be able to complete the work at a cost below that of other firms.

The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of Harland Bartholomew and Associates on the basis of cost plus 150 per cent for overhead and fees. The firm will also be reimbursed for out-of-pocket expenses, other than normal operating overhead, including travel, subsistence, printing, and other such charges directly related to this specific work. The total cost to the University will be limited to a maximum of \$11,650.

Funds are available in the Physical Plant Department budget for 1962-63.

I concur.

On motion of Mrs. Watkins, authority was given as requested.

**LEASE OF PROPERTY AT 26 EAST SPRINGFIELD  
AVENUE, CHAMPAIGN**

(25) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the second floor area (approximately 7,800 square feet) of the building at 26 East Springfield Avenue, Champaign, be leased by the University for use by the Department of Art.

The proposed rental rate is \$565 per month. The University will assume the

cost of power and water, interior maintenance (excluding existing air-conditioners, which the owner will maintain), janitor service, and any needed alterations for University use. The owner is willing to lease to the University until the end of the current biennium with the University having the option to renew at the same rate on a biennial basis for three additional biennia, i.e., through June 30, 1969.

I recommend that the lease be authorized and that assignments of funds be made as follows:

From the General Reserve for remodeling (nonrecurring).....\$ 4 600  
Addition to the operating budget of the Physical Plant Department for  
annual rental (\$6,780) and operations and maintenance (\$6,345)..... 13 125

On motion of Mr. Johnston, this lease was authorized, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

#### **ADDITION TO CONTRACT FOR CONSTRUCTION OF ILLINI UNION ADDITION**

(26) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$3,286.85 in the contract with Felmley-Dickerson Company, Inc., for construction of the Illini Union Addition to include construction of facilities for 250 bicycles.

Funds are available in the construction budget for the Illini Union Addition.

I concur.

On motion of Mr. Williamson, this change in contract was authorized.

#### **ADDITION TO CONTRACT FOR CONSTRUCTION OF PENNSYLVANIA AVENUE RESIDENCE HALLS**

(27) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase in the contract with Kuhne-Simmons Company, Inc., for the construction of Pennsylvania Avenue Residence Halls to include motor starters for supply and exhaust fans, \$4,074.34, and an additional water supply line for emergency purposes, \$4,875.60.

Funds are available in the construction budget for these halls.

I concur.

On motion of Mr. Williamson, these changes in contract were authorized.

#### **ADDITION TO CONTRACT FOR ENGINEERING SERVICES FOR ILLINOIS STREET RESIDENCE HALL**

(28) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of Sargent and Lundy, Consulting Engineers, Chicago, for engineering services to design extension of steam and electric utilities to the Illinois Street Residence Hall.

Plans and specifications for the building construction will be released for bids in August, 1962, with completion of construction scheduled for September, 1964, and design of the utility services for the buildings should be authorized now.

Sargent and Lundy have designed the utilities from which the extensions will be made. Continuation of their services is recommended under the terms of the existing contract.

The cost of the engineering services is estimated at approximately \$30,000.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Pogue, this addition to the contract was authorized.

#### **CONTRACT FOR CONSULTING ARCHITECTURAL SERVICES**

(29) The present contract with the architectural firm of Richardson, Severns, Schaefer, and Associates, Champaign, for consulting and architectural services expires August 1, 1962. The Director of the Physical Plant and the Vice-President

and Comptroller recommend continuation of the employment of this firm on a cost-plus basis for one year from August 1, 1962, on the following assignments as directed by the Physical Plant Department:

*Urbana-Champaign*

Continuation of studies on the general campus development plan.

Studies of peripheral areas to coordinate campus development with studies developed by other agencies.

Site selection studies for new building projects.

Consultation on architectural design for new building projects.

Participation in weekly planning meetings.

Estimated cost of services.....\$25 000

*Medical Center*

Continuation of studies on the campus development plan.

Further development of detailed programs and studies for various colleges and departments.

Continuation of studies on projects financed from other than state funds.

Estimated cost of services.....\$10 000

Estimated total cost.....\$35 000

The terms of employment will be the same as those under the present contract, i.e., on the basis of itemized payrolls, plus 100 per cent for the firm's overhead costs and fees.

Funds are available in the state appropriation for 1961-63 (for plans and specifications) from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Johnston, extension of this contract was authorized as recommended.

#### EMPLOYMENT OF ENGINEERS

(30) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of Wilson and Anderson, Champaign, for engineering services to design the reconstruction of the Men's Old Gymnasium swimming pool and alterations and improvements to the English Building and Huff Gymnasium swimming pools.

The services will include complete plans, specifications, preparation of contract documents, and office supervision. Payment will be on a cost-plus contract basis: \$5.00 per hour for services of principals of the firm for time actually spent by them on the project, plus salaries and wages of other employees at the regular rate paid by the firm for time actually put into the work; plus 100 per cent of these total costs for overhead expenses of the firm and its commission.

The Committee on Buildings and Grounds has been consulted and recommends approval.

I concur.

On motion of Mr. Pogue, this recommendation was approved.

#### EMPLOYMENT OF ENGINEERS FOR ANTI-TRUST INVESTIGATION

(31) The Board of Trustees has authorized employment of special counsel to represent the University in connection with a suit filed February 5, 1962, in the Federal District Court for the Northern District of Illinois (Case 62 C 362) against eighteen electrical manufacturers who were involved in an electrical equipment price-fixing conspiracy which was the subject of federal anti-trust action in 1960 and 1961. The complaint seeks recovery of treble damages under the Sherman and Clayton Anti-trust Laws, for overcharges on purchases of electrical equipment by and for the University during the period of the conspiracy.

The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of the engineering firm of Brown, Manthei, Davis, and Mullins, Champaign, for investigative engineering services to prepare the necessary technical data needed by the special counsel in developing the University's case. Payment will be on the basis of actual costs of services of personnel used by the firm and office expenses, plus 100 per cent for overhead and fee; travel expenses and living costs of personnel while away from Champaign-Urbana will

be reimbursed on a cost basis without overhead allowance. The estimated cost of these services is \$20,000 which will be charged to Physical Plant Department funds budgeted for architectural services, this account to be reimbursed from damages when recovered.

I concur.

On motion of Mr. Williamson, this recommendation was approved. Mr. Johnston was recorded as not voting.

#### COMPTROLLER'S REPORT OF CONTRACTS

(32) The Comptroller's report of contracts executed during the period June 1 to 30, 1962.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
American Dairy Association	Relationship between dietary fat and composition of blood lipids	\$12 000 00	May 18, 1962
The American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.	Selection and application of air-measuring devices	10 000 00	February 1, 1962
The American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.	Safety with high-temperature water systems	10 000 00	February 1, 1962
State of Illinois Department of Mental Health Project No. 17-103	Kinship systems and emotional disturbance in children	43 627 00	June 8, 1962
United States Air Force AF-AFOSR-62-419	A specialized type of seismic research	28 800 00	September 1, 1962
United States Air Force AF 33(657)8460	Problems related to antennas	150 000 00	June 5, 1962
United States Army DA-ARO (D) 31-124-G340	Theoretical problems in solid state and low-temperature physics	121 740 00	September 1, 1962
United States Atomic Energy Commission NSE 29-2-62	Grant for acquisition of equipment to be used in nuclear science and/or engineering	8 673 00	May 18, 1962
United States Federal Housing Administration HA (....) fh-847	Storage space needs for families in single family residences	3 125 00	May 21, 1962
United States Peace Corps PC-(W)-84	Training for teaching project in India	160 566 00	May 16, 1962
<i>Total</i>		<u>\$548 531 00</u>	

#### Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Illinois State Library	Problems related to rural library development	\$ 35 000 00	June 4, 1962
State of Illinois Department of Mental Health Project 1766	The educability of psycholinguistic functions in retarded children	20 901 00	June 8, 1962
United States Agricultural Research Service 12-14-100-A-6-eq-52	Weekly release during the active season of information on insect control	4 999 92	May 17, 1962
United States Air Force AF 41(657)332	Quantitative determinations of gaseous tissue nitrogen in animals exposed to various simulated altitudes	500 00	May 18, 1962
United States Air Force AF 49(638)594	Meson photoproduction and meson interactions using a liquid hydrogen-deuterium-helium bubble chamber	6 825 95	May 22, 1962
United States Army DA-ARO (D) 31-124-G72	Reactions of the nitrogen oxides	8 820 00	May 18, 1962
United States Atomic Energy Commission AT (11-1) 415	Unclassified research on electronic high-speed digital computers	150 000 00	March 1, 1962
United States Atomic Energy Commission AT (11-1) 758	Basic research relating to atomic energy	22 046 00	June 1, 1962



<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Atomic Energy Commission AT (11-1) 790	Ribonucleic acid in the accumulation of ions by plant cells	\$ 10 834 00	June 1, 1962
United States Atomic Energy Commission AT (11-1) 903	Mechanism of biologically catalyzed reactions and the metabolites and pathways in which they function	36 300 00	June 1, 1962
United States Atomic Energy Commission AT (11-1) 1035	Causes of erythrocyte auto-mosaicism	55 000 00	May 1, 1962
United States Navy Nonr 1834 (31)	Spectral reflectance characteristics of forest vegetation	26 358 00	June 12, 1962
VioBin Corp.	Value of wheat germ oil in physical fitness programs	4 800 00	June 6, 1962
<i>Total</i>		<u>\$382 384 87</u>	

### Adjustments Made in 1961-62 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Twenty items: \$183.17 deduct to \$200.00	\$ 296 54	April, May, and June, 1962
M. E. Hollett (Painting)	Three items: \$118.83 deduct to \$33.61	167 65 (deduct)	May, 1962
<i>Total</i>		<u>\$ 128 89</u>	

This report was received for record.

### PURCHASES

(33) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

I concur.

#### Chicago Colleges and Divisions

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One gas chromatograph consisting of beta ionization system, recorder, microburette sample injection, and flow controller	Aeromedical Laboratory	Research Specialties Co., Des Plaines	\$4 385 00 delivered
One photomicroscope and accessories	Anatomy	W. H. Kessel & Co., Chicago	4 747 48 net, delivered
One lot of laboratory supplies including assorted glassware, clamps, filter paper, rubber stoppers, and chemicals	Chemistry, College of Pharmacy	Chicago Apparatus Co., Chicago	4 641 79 net, delivered
Three binocular microscopes with condensers and transformer	Dental Orthodontics	W. H. Kessel & Co., Chicago	4 342 20 net, delivered
One stereoscopic microscope with lamp and transformer			
40,000 tolbutamide tablets 0.5 gm., representing a six-month supply, to be used in the treatment and control of diabetes	Pharmacy Stores	The Upjohn Co., Chicago	3 168 00 delivered
20,000 tetracycline V capsules, 250 mg.; this product is a broad spectrum antibiotic used in the treatment of bacterial and viral infections, and represents a three-month supply	Pharmacy	E. R. Squibb & Sons, Franklin Park	2 940 00 delivered
One lot of hospital furniture and equipment consisting of 18 examining tables, two formaldehyde generators, one instrument cabinet, nine stools, and four examining lights	Research and Educational Hospitals, Clinics	V. Mueller & Co., Chicago	3 310 00 f.o.b. delivered
Stainless steel flatware consisting of 424 dozen knives, 451 dozen forks, 850 dozen teaspoons, 326 dozen soup spoons, 260 dozen ice tea spoons, and 102 dozen bouillon spoons, to be used by the various food service and dietary departments at the Medical Center	Medical Center Stores	Oneida, Ltd., Chicago	5 591 43 net, delivered
Eighty-five dozen unbleached duck laundry hamper bags	Physical Plant	Iden Manufacturing Co., Inc., Chicago	4 029 00 delivered
One automatic ultraviolet analyzer for the detection of protein fractions	Biological Chemistry	Vanguard Instrument Co., La Grange	2 800 00 delivered

*Urbana-Champaign Departments*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One amino acid analyzer with preparative columns and stream divider accessory, special peptide elution accessory, and resin supply	Animal Science	Beckman Instruments, Inc., Beckman/Spinco Division, Lincolnwood	\$15 198 80 f.o.b. delivered and installed
110 drafting tables, 68 in. long by 35 in. deep by 35½ in. high	Architecture	Brodhead-Garrett Co., Cleveland, Ohio	8 789 00 f.o.b. delivered
One centrifuge, refrigerated, with one six and one eight-place head, trunion rings, alloy cups, and stainless steel shield	Botany	Scientific Products Division, American Hospital Supply Corp., Evanston	2 812 40 f.o.b. delivered
One metallurgical and ceramic polishing apparatus with eight-inch back panels, two twelve-inch wash bowls with complete wiring and plumbing	Ceramic Engineering	E. H. Sargent & Co., Chicago	2 769 50 f.o.b. delivered
Two low-speed polishers with eight-inch wheels with bowl and drain, with 48 and 72 R.P.M. speeds			
One polishing machine with eight-inch wheel with bowl and drain with 100 to 1200 R.P.M. speeds			
Three polishing attachments to fit eight-inch polisher			
This equipment is to be used to polish specimens for the microscopy laboratory			
One pump, diffusion, mercury, nine-inch	Chemistry and Chemical Engineering	Edwards High Vacuum, Inc., Grand Island, N.Y.	4 960 00 f.o.b. Grand Island, N.Y.
Four pumps, diffusion, mercury, six-inch			
One baffle, water cooled, chevron, nine-inch			
One liquid nitrogen trap, nine-inch			
Four liquid nitrogen traps, six-inch			
One mass spectrometer, range to 1500 (m/e), with electron multiplier measurement of mass peaks, rapid scan, double collector instrument, and provisions for positive and negative ion mass spectra	Chemistry and Chemical Engineering	Atlas Mess-und Analysen Technik GmbH, Bremen 10, Germany	91 467 22 f.o.b. delivered and installed
One lot of laboratory apparatus, including laboratory glassware, porcelainware, filter papers, heating mantles, to be used in setting up a new teaching laboratory for the fall semester	General Chemical Stores	Wilkins-Anderson Co., Chicago	11 485 75 f.o.b. delivered
Three each paper tape data preparation equipment to provide the primary source of input data for the computers located in the Coordinated Science Laboratory	Coordinated Science Laboratory	Friden, Inc., Peoria Heights	8 985 00 f.o.b. delivered
One pulser, rise time of 0.1 microsecond, 20 amp DC filament transformer 500 watt, designed to pulse any number of loads requiring 1 megawatt peak power, peak pulse voltage 35 KV, repetition rate 20 pps maximum	Coordinated Science Laboratory	Burmac Electronics Co., Inc., Rockville Center, N.Y.	4 495 00 f.o.b. delivered
Vacuum tubes as replacements for use in Illiac Computer, approximately one-year supply, as follows: 200 Type 6A65 400 Type 6J6 400 Type 5687 400 Type 5844 100 Type 6136 100 Type 815	Digital Computer Laboratory	Baptist Electronic Supply, Jacksonville	4 106 70 f.o.b. delivered
One gas chromatograph, automatic with recorder and signal switch for use in separating organic mixtures into their component parts and in the purification of radioactive mixtures in the Radiocarbon Laboratory	Graduate College, Radiocarbon Laboratory	Wilkins Instrument & Research, Inc., Walnut Creek, Calif.	3 727 65 f.o.b. delivered
12,150 feet grounding mats, wire, copper, nine-inch mesh	Electrical Engineering	Copperweld Steel Co., Glassport, Pa.	22 222 37 f.o.b. delivered
163 feet grounding mats, wire, copper			
21,000 connectors, thermite process	Electrical Engineering	Erico Products, Inc., Cleveland, Ohio	3 150 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Six oscilloscopes, rack mount, passband DC-450 KC, vertical sensitivity 1 mv/cm to 20 V/cm in 14 calibrated steps, sweep range 1 microsecond/cm to 5 seconds/cm, 21 calibrated sweep rates, sweep magnification 2.5, 10, 20, and 50 times	Electrical Engineering Research Laboratories	Tektronix, Inc., Park Ridge	\$3 930 00 f.o.b. Beaverton, Oregon
Two high stability quartz oscillators, long-term stability of 5 parts in 10 <sup>9</sup> ; output frequencies 1 MC, 100 KC, 22-30 volts input	Electrical Engineering	Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago	20 800 00 f.o.b. Palo Alto, Calif.
Four frequency dividers and clock, frequency 100 KC; input voltage 0.5 to 5 volts			
Four time comparators, 0.999 micro-seconds in 1 microsecond steps			
Two readers, photoelectric, paper tape, unidirectional 300 characters per second with stop on character, handles 11/16 in. and 1 in. tape	Electrical Engineering	Digilronics Corp., c/o Loren F. Green & Associates, Chicago	2 919 60 f.o.b. delivered
Two rack mount adapter plates			
Two spooler assemblies, unidirectional, for above readers			
One data processing system, on-line type, consisting of a computer with data input and output accessories, complete with maintenance agreement, for one year renewable	Electrical Engineering	Bendix Corp., Computer Division, Los Angeles, Calif.	428 098 00 f.o.b. delivered and installed
Option to buy: One data input/output accessory, paper tape eight-channel type plus one year maintenance agreement			
One data output accessory — printer, plus one-year maintenance agreement			
One tensile testing machine with recorder, five tension cells, one set of 10,000 lb. wedge grips, and one set of jaw faces $\frac{1}{8}$ to $\frac{1}{4}$ inch diameter for the study of mechanical properties of solids and the factors which affect these properties	Mining, Metallurgy, and Petroleum Engineering	Instron Engineering Corp., Park Ridge	19 224 00 f.o.b. delivered
One liquid scintillation counting system, fully transistorized with automatic loading device for 200—20ml sample vials, including freezer with temperature control of $\pm 0.5^\circ$ C over range -20 to $+5^\circ$ C, and counting efficiency of 90 per cent for carbon, and 40 per cent for tritium	Physiology and Biophysics	Packard Instrument Co., Inc., La Grange	12 550 00 f.o.b. delivered and installed
One recorder dual chart system with both heat sensitive recording, and alternate ink-curve linear recording, enclosed in portable cabinet, drive assembly 1, 5, 25, and 125 mm/second; four rolls chart paper	Physiology and Biophysics	Offner Division, Beckman Instruments, Inc., Lincolnwood	2 553 00 f.o.b. delivered
One Dewar vessel, liquid helium five liter capacity, for use in low-temperature materials research to maintain samples of solids formed from condensed gases at temperatures in the range of 2 to 80 degrees Kelvin (temperatures measured from absolute zero — -273.18 degrees C)	Physics	Linde Co., Chicago	3 116 00 f.o.b. delivered
One crystal growing furnace, capable of operating at inert gas atmosphere or in a vacuum with a crucible lifting mechanism and temperature programmer and controller for growing single crystals of controlled purity for solid state research in Physics	Physics	NRC Equipment Corp., Newton, Mass.	14 150 00 f.o.b. delivered
Two special aluminum-silver alloy bars, 50 cm by 1.27 cm by 1.27 cm, base material to be 99.999 per cent aluminum; produced according to the specifications of the Physics Department staff; the material is to be used to measure equilibrium concentration of vacancies in aluminum-silver alloys	Physics	Materials Research Corp., Orangeburg, N.Y.	3 000 00 f.o.b. delivered
One continuous electrophoresis apparatus for use in the research studies of antibody formations in swine and anaplasmosis of cattle	Veterinary Medicine	Fisher Scientific Co., Chicago	4 100 00 f.o.b. delivered

Item	Department	Vendor	Cost
Print and bind 1,500 copies of <i>Approaches to the Study of Aphasia</i> , by Charles E. Osgood and Murray Miron, trim size 6 in. by 9 in., approximately 224 pages per copy	University Press	North Central Publishing Co., St. Paul, Minn.	\$2 679 60 f.o.b. delivered
Scoring service for approximately 65,000 special answer sheets used in conjunction with the testing program of the Bureau of Educational Research	Office of Educational Testing	Measurement Research Center, Inc., Iowa City, Iowa	7 800 00 f.o.b. Iowa City, Iowa
Television equipment including: camera, control chassis, deflection chassis, remote control panel, television tube, 50 ft. cable, power supply, centering chassis, optical multiplexer for two 16 mm. projectors and one slide projector, 1 in. lens f/1.9, video switcher, and rack mount adapter for monitor	Instructional Television	RCA Broadcast and Communications Products Division, Camden, N.J.	8 523 25 f.o.b. delivered
One duplicator, offset, with 9½ in. by 13 in. image area, equipped with auxiliary vibrator roller, centrifugal clutch, mechanical jogger, oscillating repelex rider roller, chrome plated master cylinder and impression cylinder, double sheet eliminator, light fixture, and work organizer	Stenographic Service	Addressograph-Multigraph Corp., Peoria	3 368 15 f.o.b. delivered
Wood office furniture including desks, cabinets, and table, walnut finish, for use in the Health Service Addition to McKinley Hospital. Items to be furnished: six typewriter desks, 19 flat-top desks, one conference desk, four credenzas, and one pedestal table	Office Supply Storeroom	Jack Sheean, Bloomington	3 652 32 f.o.b. delivered
One special feed elevator, 12 in. wide by 90 in. discharge at center line of head pulley	Housing Division	Food Machinery & Chemical Corp., Hoopeston	10 294 65 f.o.b. delivered
One special grade rotary blancher			
One blancher control system			
One special inspection conveyor, 24 in. wide by 12 ft. long			
Twenty-six refrigerators, 9 cubic-foot capacity, white enamel finish, with nonautomatic defrost, for delivery to the Orchard Downs Apartments by August 15, 1962	Housing Division	Sears-Roebuck & Co., Springfield	2 818 40 f.o.b. delivered
Carpets and pads to replace present carpets in the Wedgwood Lounge of the Illini Union:	Illini Union	L. B. Herbst Corp., Chicago	3 982 80 f.o.b. delivered
One each carpet and pad, 21 ft. 6 in. wide by 30 ft. 4 in. long			
Two each carpets and pads, 12 ft. wide by 33 ft. 4 in. long			
Two barn cleaners to be furnished and installed in Dairy Barns	Dairy Science	New Idea Farm Equipment Co., Sandwich	4 312 74 f.o.b. delivered and installed
3,000 feet fencing, non-climbable, with three strands of barbed wire attached to inclined extension arms, with 300 H column line posts, including three six-foot gates, terminal posts, and brace assemblies, completely installed	Horticulture	Cyclone Fence Department, American Steel & Wire Division, U. S. Steel Corp., Bloomington	4 336 00 f.o.b. delivered and installed
10,560 feet fence chain link, six feet high, No. 9 gauge wire woven into a 2-inch mesh, with angled extension arms and three strands of barbed wire, with two 16-foot double gates, to enclose the Pell Farm fruit research area	Horticulture	Cyclone Fence Department, American Steel & Wire Division, U. S. Steel Corp., Bloomington	23 871 40 f.o.b. delivered and installed
Furnish equipment, labor, and materials for the fine grading of the base course, the bituminous concrete surface course and bituminous concrete curbing for the parking area and service drives at Robert Allerton Park, Monticello	Robert Allerton Park	Champaign Asphalt Co., Champaign	20 698 15 f.o.b. delivered and installed
One truck, 14-foot bed, less trade-in of 1956 truck, 14-foot bed, with approximate mileage of 150,000, to be used at the Dixon Springs Experiment Station	Dixon Springs Experiment Station	International Harvester, Springfield	3 100 00 f.o.b. delivered

Item	Department	Vendor	Cost
6,500 feet cable, telephone, No. 22AWG, solid annealed conductors, 100 pairs, with polyethylene insulation for use in low-voltage signal service, other than telephone communications, for Abbott Power Plant, Assembly Hall, Central Food Stores, and Physical Plant Service Building	Physical Plant Storeroom	Danville Electric Supply Co., Danville	\$3 445 00 f.o.b. delivered
15,000 gallons asphalt, 2,000 gallons road oil, 725 tons limestone chips to be used in various areas throughout the campus for small resurfacing jobs	Physical Plant Storeroom	Parro Construction Corp., Urbana	6 645 00 f.o.b. delivered
568 light fixtures, fluorescent (Group I) 138 light fixtures, fluorescent, strip type, one light (Group II) To be installed in main Library to replace present incandescent fixtures which are considered unsatisfactory in respect to modern lighting standards	Physical Plant	Danville Electric Supply Co., Danville Group I Tepper Electric Supply Co., Champaign Group II	14 266 40  1 251 60 (15 518 00) f.o.b. delivered
180 light fixtures, fluorescent, 8 ft. long, 12 in. wide, "A" sound rated ballasts, prismoil louver, with 259 fixture hangers, to be used to replace incandescent fixtures in various classrooms, which are now considered unsatisfactory in respect to modern lighting standards	Physical Plant	Tepper Electric Supply Co., Champaign	5 211 98 f.o.b. delivered
One trash container, 30 cubic yard capacity, top doors to occupy 85 per cent of top area and open perpendicular to the long axis, suitable for use with truck-mounted hoist equipment for use at the new Pennsylvania Avenue Residence Halls	Physical Plant	Coleman & Associates, Rockford	2 793 00 f.o.b. delivered
Three sedans, compact, four-door, 1962 model Two station wagons, four-door, nine-passenger, 1962 model Fifteen sedans, standard, four-door, 1962 model To replace present vehicles in the University fleet	Physical Plant Storeroom	University Ford Sales, Inc., Champaign Three compact sedans One station wagon Three standard sedans Rogers Chevrolet Co., Rantoul One station wagon One standard sedan Rossetter Motor Co., Peoria Seven standard sedans Noble Motor Co., Danville Four standard sedans	2 100 00 1 300 00 3 050 00  1 288 17 861 06  6 511 00  2 321 84 (17 432 07) f.o.b. delivered
Furniture for 76 guest rooms for the Illini Union Addition, as per layout and selection by the interior decorator for the building	Illini Union	Duo-Bed Corp., Chicago	50 554 63 f.o.b. delivered

On motion of Mr. Williamson, these purchases were authorized.

#### ACQUISITION BY CONDEMNATION OF PROPERTY AT 1009 WEST GREEN STREET, URBANA

(34) At its February, 1962, meeting, the Board of Trustees adopted a resolution declaring that the property at 1009 West Green Street, Urbana, Illinois, and owned by Edith Pearl Sidell, was needed by the University for a site for residence hall buildings and related educational purposes, that the compensation to be paid for the property could not be agreed upon with the owner, and that title to the land should be acquired by the exercise of the right of eminent domain through the institution and prosecution of condemnation proceedings.

The condemnation suit was tried in the Circuit Court of Champaign County, Illinois, before a jury on July 9, 10, and 11, 1962, culminating in an award by the jury of \$83,250 as the fair cash market value of the property for its highest and best use on March 29, 1962 (the date the condemnation petition was filed), and judgment was entered on the verdict. The jury's award was within the range

of the testimony adduced from expert witnesses at the trial, and is between the valuations placed upon the property by the witnesses who testified for the University and those who testified for the defendant. For a period of thirty days from and after July 11, 1962, either side may file a motion for a new trial. If no such motion is filed, the court will thereafter enter a final order specifying the time within which the University must pay the amount of the verdict if it still desires to acquire title to the property.

The Legal Counsel states that certain rulings of the court during the trial of the case could support the filing of a motion for a new trial. However, since the jury's verdict was within the range of the testimony as to value, and since construction on the site is scheduled to commence later this year, the Legal Counsel, the Director of the Physical Plant, and the Vice-President and Comptroller recommend that the University abide by the judgment entered upon the verdict, that no post-trial motion be filed by the University, and that, when the final order is entered, the property be acquired by the payment to the defendant of the amount awarded her by the jury in its verdict.

I concur.

On motion of Mr. Pogue, this recommendation was approved.

**REPORT AND RECOMMENDATION OF THE COMMITTEE  
ON BUILDINGS AND GROUNDS ON RELOCATION  
OF THE ALMA MATER STATUARY**

Mr. Pogue, for the Committee on Buildings and Grounds, submitted the following report.

A request from the Board of Directors of the University of Illinois Alumni Association that the Lorado Taft Alumni statuary group be moved from south of the University Auditorium to the area in front of Altgeld Hall and the Illini Union, facing the intersection of Wright and Green Streets, was formally presented to the Board of Trustees on June 20, 1962, and was referred to the Committee on Buildings and Grounds.

The Committee has previously had this matter under consideration pursuant to an informal report submitted by the Physical Plant Department. At a meeting of the Committee held on July 17, Mr. Paul K. Bresee, Treasurer of the Alumni Association and a member of its Board of Directors, appeared before the Committee in support of the Association's request. He stated that the Alumni Association Board has been discussing this matter for three or four years, and finally requested the Physical Plant Department to study all possible and appropriate sites where the statuary would be on the periphery of the campus, and preferably at some entrance point. At a meeting of the Board of Directors of the Alumni Association held on June 2, the Board endorsed the site recommended by the Physical Plant Department as meeting the desired criteria, and voted to provide the funds for the cost of moving the statuary and the construction of a suitable base on the new site.

Following public announcement of the Alumni Association's request, a number of letters were received from students objecting to the proposed relocation of the statuary, and some letters were received from alumni and others in support of the change. Copies of these letters had previously been sent to all members of the Committee on Buildings and Grounds and other Trustees, and were presented for record at the meeting on July 17.

The Committee recommends the relocation of the Alma Mater statuary in the area in front of Altgeld Hall and the Illini Union as proposed to the Board of Trustees on June 20, 1962.

On motion of Mr. Pogue, this recommendation was approved.

**MEMORIAL TO JOHN STELLE**

Mr. Dilliard offered the following memorial and moved its adoption:

The Board of Trustees of the University of Illinois records with sorrow the passing on July 5, 1962, of John Stelle, former Governor of Illinois and a former ex officio member of this Board.

Born in McLeansboro, Illinois, August 10, 1891, he received his education in the public schools of that city, at Western Military Academy, and at Washington

University Law School at St. Louis. At the beginning of World War I in 1917, he enlisted in the United States Army. As a First Lieutenant, he commanded Company B, 115th Machine Gun Battalion, 30th Division, and after seventeen months of service in France he returned home a Captain. While overseas, he was wounded and severely gassed in combat.

In 1931 he entered public service at the state level, having been appointed Assistant State Treasurer, which post he held until 1933 then he was appointed Assistant State Auditor. He served in that post until 1935 when he took office as State Treasurer, having been elected in November, 1934. In 1936 he was elected Lieutenant Governor of Illinois and was President of the State Senate for two sessions of the General Assembly of Illinois. He served as Acting Governor for several months in 1939 and, upon the death of Governor Henry Horner on October 6, 1940, he became Governor, serving as the state's Chief Executive until expiration of that term of office on January 12, 1941.

He was one of the organizers of the American Legion and served as its National Commander during 1945 and 1946.

He was a frequent visitor to the University of Illinois during his years of public service and took a special interest in the affairs of the University while serving as Acting Governor and Governor of the state of Illinois.

Although his service in public office, and as an attorney and industrialist in private life, will be duly reported in the histories of Illinois, the Board of Trustees of the University wishes to record in today's meeting a tribute to the late Governor John Stelle, a former colleague and a friend of the University; and the Board directs that this memorial be included in the minutes of today's meeting and that suitable copies be sent to members of his family as an expression of sympathy in their loss.

The memorial was unanimously adopted.

#### **AUGUST, SEPTEMBER, AND OCTOBER MEETINGS**

The Board has voted to omit the August meeting, but a number of construction contracts will need to be awarded so that work can be started promptly to take advantage of favorable weather conditions, and other business which can not be deferred until the September meeting of the Board will need to be transacted in August. President Clement stated that he will call a meeting of the Executive Committee for this purpose and that all the Trustees will be invited to attend and participate in these discussions.

Under the By-Laws of the Board, the September meeting will be held on Wednesday, September 19, 1962, unless changed by vote of the Board or by order of its President.

On motion of Mr. Johnston, the Board voted to hold the meeting on this date and at Robert Allerton Park, according to a schedule to be determined by the President and Secretary of the Board.

On motion of Mr. Johnston, the Board voted to hold the October meeting on Wednesday, October 17, 1962 (the date specified in the By-Laws), in Chicago.

#### **ASSOCIATION OF GOVERNING BOARDS OF STATE UNIVERSITIES AND ALLIED INSTITUTIONS**

President Clement announced that the annual fall meeting of the Association of Governing Boards of State Universities and Allied Institutions will be held at the University of Michigan in Ann Arbor, on October 9-13, and that he is designating Mrs. Frances B. Watkins as an official representative of the Board for this meeting.

#### **RECESS AND EXECUTIVE SESSION**

President Clement stated that an executive session has been requested,

and was being ordered, for consideration of property acquisitions and a copyright matter, and that this session will be held immediately after luncheon.

On motion of Mr. Williamson, the Board recessed.

When the Board reconvened in executive session, the same members of the Board, officers of the Board, and officers of the University were present as recorded at the beginning of these minutes, with the exception of Mr. Wilkins.

The Board considered the following items of business.

#### **RELEASE OF BOTANICAL CHARTS TO ARTIST FOR PUBLICATION**

(1) Miss Natalie H. Davis, Scientific Artist in the Department of Botany, has prepared a series of charts during the past ten years for use in botany classes. She now has the opportunity to publish eleven of these charts, nine of which were completed before 1958, plus five new charts still to be prepared. Since Miss Davis has been specifically commissioned to prepare the charts as part of her regular University duties, they belong to the University under the provision of the Statutes governing copyrights.

Professor Wilson N. Stewart, Chairman of the Department of Botany, recommends that the University relinquish its publication rights in these charts to Miss Davis, including any royalties that might result from the sale of the charts. It is Professor Stewart's opinion that the royalties would be small in any case.

The Executive Vice-President and Provost and the Vice-President and Comptroller endorse Professor Stewart's recommendation.

I concur.

On motion of Mrs. Watkins, this recommendation was approved.

#### **ACQUISITION OF THE PROPERTY AT 1109 WEST ILLINOIS STREET, URBANA**

(36) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the property at 1109 West Illinois Street, Urbana, Illinois, at a price of \$32,000. The property consists of a lot 65 feet wide and 150 feet deep with a two-story and basement frame residence. The building will be removed and the land will be part of an area to be developed for parking facilities replacing those lost when construction is started on the Illinois Street Residence Hall. The price is within appraisals.

Possession will be delivered not later than October 1, 1962, and taxes will be prorated.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Pogue, purchase of this property, at the price and on the terms indicated, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain, Mr. Wilkins.

#### **SECRETARY'S REPORTS**

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations and declinations; leaves of absence.

#### **APPOINTMENTS MADE BY THE PRESIDENT**

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ABBOTT, BERNARD C., Visiting Professor of Physiology and Biophysics, July 1-September 15, 1962, \$3,888.90 (6-18-62).



- ABILDGAARD, CHARLES F., Assistant Professor of Pediatrics (Medicine), two months from July 1, 1962, \$11,500 a year, supersedes (6-27-62).
- ADAMSTONE, FRANK B., Professor of Zoology, two months from June 16, 1962, \$3,000; this is in addition to his present appointment (6-11-62).
- ADLER, FELIX T., Professor of Nuclear Engineering, Summer Session of 1962,  $\frac{1}{2}$  time, June 18-August 11, 1962, \$1,734 for the period, supersedes previous Summer Session (6-4-62); and Professor of Physics and of Nuclear Engineering (C),  $\frac{1}{2}$  time, two months from June 16, 1962, \$1,733; this is in addition to his present appointment and to his Summer Session appointment (6-4-62).
- AKAGI, JAMES M., Research Associate in Microbiology, June 16-August 31, 1962, \$2,250 (6-18-62).
- ALTSTETTER, CARL J., Assistant Professor of Physical Metallurgy (C), June 16-August 31, 1962, \$866.67 a month, additional and superseding (6-27-62).
- ANDERSON, MRS. ROBERTA H., Visiting Lecturer in Education, Summer Session of 1962, June 18-August 11, 1962, \$1,300 for the period (6-20-62).
- ANKUDAS, MILDA M., Research Assistant in Microbiology (Medicine), three months from July 1, 1962, \$444.44 a month (6-21-62).
- ANTON, THOMAS J., Assistant Professor in the Bureau of Community Planning (College of Fine and Applied Arts) and in the Institute of Government and Public Affairs, June 16-July 31, 1962, \$800 a month (6-18-62).
- ARCHER, WILLIAM K., Research Assistant Professor in the Institute of Communications Research, June 15, 1962-August 31, 1963, without salary (6-29-62).
- ARIENS, PHYLLIS J., Language Therapist in Speech Summer Residential Program, Summer Session of 1962, 45/100 time, June 18-August 11, 1962, \$400 for the period (6-8-62).
- ARMSTRONG, PAULINE B., Assistant Professor of Psychology, July 1, 1962-August 31, 1963, \$8,100 a year (6-11-62).
- BAILEY, ALBERT D., Professor of Electrical Engineering (C), two months from June 16, 1962, \$1,333.33 a month; this is in addition to his present appointment (6-11-62).
- BALDRIDGE, MARY F., Visiting Lecturer in Education, Summer Session of 1962, June 18-August 11, 1962, \$1,300 for the period (6-20-62).
- BANKS, EDWIN M., Research Assistant Professor in the Division of General Studies, June 16-August 31, 1962, \$833.34 a month; this is in addition to his present appointment (5-31-62).
- BARDEEN, WILLIAM A., Research Assistant in Chemistry, two months from June 16, 1962, \$900 (6-18-62).
- BARRY, DENNIS, Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), June 1, 1962-August 31, 1963, \$7,000 a year, supersedes (6-18-62).
- BECKER, RICHARD W., Research Assistant in the Institute of Communications Research, June 18-August 11, 1962, \$444.44 a month (6-8-62).
- BECKER, WESLEY C., Associate Professor of Psychology, June 16-August 31, 1962, \$2,777.78; this is in addition to his present appointment (6-11-62).
- BEERS, RAY F., JR., Clinical Assistant Professor of Medicine (Medicine),  $\frac{3}{4}$  time, three months from June 1, 1962, \$300 a month, supersedes nonsalaried appointment (6-29-62).
- BENNEMANN, KARL-HEINZ, Research Associate in Physics (C), four months from May 1, 1962, \$625 a month; and one year from September 1, 1962, \$7,500 (6-11-62).
- BERNAUER, EDMUND M., Research Associate in Physiology, two months from June 16, 1962, \$1,400 (6-14-62).
- BHARADWAJ, RAMA KANT, Research Assistant in Entomology, two months from June 16, 1962, \$888.88 (6-8-62).
- BILOKUR, BORYS, Assistant in Russian, Summer Session of 1962, June 18-August 11, 1962, \$889 for the period, supersedes previous Summer Session appointment (6-27-62).
- BINNING, BRIAN R., Research Assistant in Architecture, June 25-August 31, 1962, \$444.44 a month (6-14-62).
- BLAIR, LEON N., Assistant Professor of General Engineering (Chicago Undergraduate Division), Summer Session of 1962, June 22-August 17, 1962, \$1,734 for the period (6-8-62).

- BLEVINS, WILLIAM B., Resident Manager, Peabody Drive Residence Halls, June 11-August 31, 1962, \$350 a month, supersedes (6-29-62).
- BLISS, LAWRENCE C., Associate Professor of Botany, June 16-August 15, 1962, \$1,877.76; this is in addition to his present appointment (6-11-62).
- BLUM, IRVING D., Associate Professor of English (Chicago Undergraduate Division), Summer Session of 1962, June 22-August 17, 1962, \$1,889 for the period (6-29-62).
- BOGGESS, MRS. BARBARA S., Assistant in the Graduate School of Library Science, Summer Session of 1962, June 18-August 11, 1962, \$889 for the period (6-8-62).
- BOHL, ROBERT W., Professor of Metallurgical Engineering (C), one month from June 16, 1962, \$1,144.44; this is in addition to his present appointment (6-27-62).
- BORCHERS, HANS-JUERGEN, Research Associate in Physics (C), three months from July 1, 1962, \$2,500 (6-18-62).
- BORESI, ARTHUR P., Professor of Nuclear Engineering (C),  $\frac{1}{2}$  time, two months from June 16, 1962, \$611.11 a month; this is in addition to his present appointment (6-11-62).
- BOUSEMAN, JOHN K., Assistant in Entomology, July 1-August 15, 1962, \$667.22 (6-4-62).
- BOWERS, KENNETH, Counselor in the Student Counseling Service,  $\frac{1}{4}$  time, two months from June 16, 1962, \$223; this is in addition to his Research Assistantship in Psychology on  $\frac{1}{2}$  time (6-18-62).
- BRADFORD, JOHN, Assistant in Education (University High School), June 18-August 11, 1962, \$890 (6-11-62).
- BRADLEY, WAYNE E., Research Assistant in the State Water Survey, one year from July 1, 1962, \$6,600, supersedes (6-27-62).
- BRADY, U. EUGENE, Research Assistant in Entomology, two months from June 16, 1962, \$890, additional and superseding (6-11-62).
- BRISCOE, JOHN W., Professor of Civil Engineering and Associate Head of the Department (C), June 16-July 31, 1962, and August 15-31, 1962, \$1,400 a month; this is in addition to his present appointment (6-11-62).
- BRUGGE, JOHN F., Research Assistant in Physiology, two months from June 16, 1962, \$888.88 (6-8-62).
- BUCKLEY, DONALD W., Research Associate in Education (University High School), June 18-August 11, 1962, \$1,985; this is in addition to his present appointment (6-11-62).
- CALDWELL, RODERICK, Instructor in Mathematics, Summer Session of 1962, June 18-August 11, 1962, \$1,200 for the period (6-27-62).
- CARSS, MARJORIE C. H., Assistant in Mathematics, three months from June 16, 1962, \$1,767 (6-29-62).
- CATTELL, RAYMOND B., Research Professor of Psychology, two months from July 1, 1962, \$3,155.56; this is in addition to his present appointment (6-11-62).
- CHANDRAN, RAMAN SATISA, Research Assistant in Entomology, two months from June 16, 1962, \$888.88 (6-8-62).
- CHOW, WEN LUNG, Associate Professor of Mechanical Engineering (C),  $\frac{1}{2}$  time, two months from June 16, 1962, \$1,077.76; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{2}$  time (6-18-62).
- CIZOWSKI, RAYMOND, Registered Pharmacist in Manufacturing Pharmacy (Pharmacy), June 18, 1962-August 31, 1963, \$6,500 a year (6-21-62).
- CLARK, DOROTHY E., Counselor in the Student Counseling Service,  $\frac{3}{4}$  time, two months from June 16, 1962, \$1,225; this is in addition to her present appointment (6-20-62).
- COLEMAN, PAUL D., Professor of Electrical Engineering (C), two months from June 16, 1962, \$1,522.22 a month; this is in addition to his present appointment (6-18-62).
- COOK, RALPH L., Professor of Ceramic Engineering (S),  $\frac{1}{4}$  time, two months from June 16, 1962, \$750; this is in addition to his present appointment (6-18-62).
- COOK, ROBERT L., Counselor in Speech Summer Residential Program, 17/100 time, Summer Session of 1962, June 18-August 11, 1962, \$150 for the period (6-14-62).
- CORTEN, HERBERT T., Professor of Theoretical and Applied Mechanics (C), June

- 16-30, 1962 and August 20-September 15, 1962, \$1,277.78 a month; this is in addition to his present appointment (6-4-62).
- COSTIN, FRANK, Clinical Counselor in the Student Counseling Service,  $\frac{1}{2}$  time, two months from June 16, 1962, \$1,056; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{2}$  time (6-18-62).
- CRAIG, SUSANN E., Theatre Therapist in Speech Summer Residential Program, 45/100 time, Summer Session of 1962, June 18-August 11, 1962, \$400 for the period (6-8-62).
- CREW, JOHN E., Research Assistant Professor of Physics (C), two months from June 16, 1962, \$900 a month (6-29-62).
- CRUZ, JOSE B., JR., Research Associate Professor in the Coordinated Science Laboratory (C), two months from June 16, 1962, \$1,044.44 a month; this is in addition to his present appointment (6-18-62).
- DAVIES, MICHAEL S., Assistant in Electrical Engineering, Summer Session of 1962, June 18-August 11, 1962, \$889 for the period (6-8-62).
- DELEVORYAS, THEODORE, Associate Professor of Botany, one month from June 16, 1962, \$1,033.33; this is in addition to his present appointment (6-11-62).
- DEMARCO, WILLIAM, Psychologist in Speech Summer Residential Program, 45/100 time, Summer Session of 1962, June 18-August 11, 1962, \$400 for the period (6-8-62).
- DE WAN, EDMUND, Assistant in Education (University High School), June 18-August 11, 1962, \$955.55 (6-8-62).
- DIAMOND, DALE M., Research Associate in the Coordinated Science Laboratory (C), June 16-August 31, 1962, \$722.22 a month, supersedes; and for the academic year beginning September 1, 1962, \$6,800 (6-27-62).
- DIFERT, ARNOLD W., Instructor in Electrical Engineering, Summer Session of 1962, June 18-August 11, 1962, \$1,068 for the period, supersedes previous Summer Session appointment (6-8-62).
- DONOVAN, DENNIS G., Research Assistant in English, two months from June 16, 1962, \$911.10 (6-27-62).
- DULANY, DONELSON E., JR., Associate Professor of Psychology, June 16-August 31, 1962, \$2,513.90; this is in addition to his present appointment (6-11-62).
- EATON, JOHN L., Research Assistant in Entomology, two months from June 16, 1962, \$890 (6-29-62).
- EDWARDS, WILLIAM R., Research Associate in the Illinois State Natural History Survey, two months from July 1, 1962, \$616.66 a month (6-8-62).
- ELDRIDGE, WINFIELD H., Associate Professor of Astronomy, two months from July 1, 1962, \$911.11 a month; this is in addition to his present appointment (6-29-62).
- ELLINGSON, JOHN, Research Assistant in Microbiology, two months from June 16, 1962, \$888.88 (6-27-62).
- ENG, MRS. SARA, Assistant in Education (University High School), June 18-August 11, 1962, \$890 (6-11-62).
- EPPELSON, EUGENE, Visiting Assistant Professor of Education (University High School), June 18-August 11, 1962, \$2,000 (6-11-62).
- ERIKSEN, CHARLES W., Professor of Psychology, June 16-August 31, 1962, \$3,166.67; this is in addition to his present appointment (6-11-62).
- ERLENBORN, JAMES W., Physician in the Health Service (Medical Center), 3/10 time, three months from June 1, 1962, \$300 a month; this is in addition to his nonsalaried appointment as Clinical Assistant in Medicine (6-18-62).
- EWEN, ROBERT B., Research Assistant in Psychology, two months from June 16, 1962, \$888.88 (6-14-62).
- FENZL, RICHARD N., Assistant Professor of Agricultural Engineering (C and S), June 1, 1962-August 31, 1963, \$8,500 a year, supersedes (6-27-62).
- FIEDLER, FRED E., Professor of Psychology, June 16-August 31, 1962, \$3,000; this is in addition to his present appointment (6-11-62).
- FIELD, MARK G., Associate Professor of Sociology,  $\frac{1}{2}$  time, June 16-August 15, 1962, \$722.50 a month, and full time August 16-September 15, 1962, \$1,445 a month; this is in addition to his present appointment (6-29-62).
- FISHER, ROGER J., Research Assistant in Sociology, two months from June 16, 1962, \$1,200 (6-11-62).
- FLYNN, JAMES D., Supervisor of Counseling in the Student Rehabilitation Center, with rank of Instructor (College of Physical Education), four months from May 1, 1962, \$541.66 a month (6-29-62).

- FOGHT, MRS. MARTHA, Research Assistant in Zoology, two months from June 1, 1962, \$816.66 (6-14-62).
- FORSYTH, ARTHUR C., Associate Professor of Metallurgical Engineering (Civil Engineering) (S),  $\frac{1}{2}$  time, two months from June 16, 1962, \$966.68; this is in addition to his present appointment (6-11-62).
- FRANKMANN, RAYMOND W., Assistant Professor of Psychology, June 16-August 31, 1962, \$900 a month; this is in addition to his present appointment (6-18-62).
- FRAUENFELDER, HANS, Professor of Physics and Associate Director of the Coordinated Science Laboratory (C), June 16-July 21, 1962, and September 1-15, 1962, \$1,955.55 a month; this is in addition to his present appointment (6-11-62).
- FREUND, ERIC C., Research Associate in the Bureau of Community Planning, two months from June 1, 1962, \$641.75 a month (6-29-62).
- FRIEDERICH, ALLAN G., Associate Professor of Mechanical Engineering (Civil Engineering) (S), two months from June 16, 1962, \$1,755.56; this is in addition to his present appointment (6-11-62).
- FROST, STANLEY H., Research Assistant in Geology, June 18-August 11, 1962, \$889 (6-11-62).
- GILLFILLAN, RICHARD A., Assistant in Marketing (Agricultural Economics) (S), June 16-August 31, 1962, \$416.67 a month (6-29-62).
- GILPIN, JOHN B., Research Associate in Education (University High School), August 1, 1962-August 31, 1963, \$7,423 (6-27-62).
- GLASER, DANIEL, Associate Professor of Sociology, two months from June 16, 1962, \$2,155.56; this is in addition to his present appointment (6-11-62).
- GODDEN, WILLIAM G., Associate Professor of Civil Engineering (S), two months from June 16, 1962, \$2,222.24 (6-11-62).
- GOLDWASSER, EDWIN L., Professor of Physics (C), July 24-August 4, 1962, \$1,444.44 a month; this is in addition to his present appointment (6-18-62).
- GOLLAKOTA, KRISHNAMURTY, Visiting Research Associate in the School of Life Sciences, two months from June 16, 1962, \$1,200 (6-27-62).
- GONZALES-OJEDA, DOLORES, Research Assistant in Microbiology, June 7-September 15, 1962, \$444.44 a month (6-27-62).
- GORSKI, JOHN, Assistant Professor of Physiology, two months from June 16, 1962, \$1,666.66; this is in addition to his present appointment (6-11-62).
- GOVINDJEE, Assistant Professor of Botany, two months from June 16, 1962, \$1,555.56; this is in addition to his present appointment (6-11-62).
- GREENBERG, MICHAEL J., Assistant Professor of Zoology, June 16-August 31, 1962, \$2,014; this is in addition to his present appointment (6-29-62).
- GREIG, PATRICIA E., Counselor in the Student Counseling Service,  $\frac{1}{4}$  time, two months from June 16, 1962, \$223; this is in addition to her present appointment and to her United States Public Health Fellowship (6-18-62).
- GRIKE, LEO J., JR., Research Assistant in Physics (C), June 26-August 25, 1962, \$467 a month (6-18-62).
- GUBACK, THOMAS H., Research Assistant in the Institute of Communications Research, two months from June 16, 1962, \$888.88 (6-18-62).
- HAGER, LOWELL P., Research Associate Professor of Chemistry, two months from June 16, 1962, \$2,178; this is in addition to his present appointment (6-11-62).
- HAKE, HAROLD W., Professor of Psychology and Associate Head of the Department, two months from June 16, 1962, \$2,533.34; this is in addition to his present appointment (6-11-62).
- HALL, B. VINCENT, Professor of Zoology, two months from June 16, 1962, \$1,266.66 a month; this is in addition to his present appointment (6-11-62).
- HALL, WILLIAM J., Professor of Civil Engineering (S),  $\frac{1}{2}$  time, two months from June 16, 1962, \$1,388.90; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{2}$  time (6-11-62).
- HALTIWANGER, JOHN D., Professor of Civil Engineering (S), two months from June 16, 1962, \$2,488.88; this is in addition to his present appointment (6-11-62).
- HANDLER, PAUL, Associate Professor of Electrical Engineering (C), two months from June 16, 1962, \$1,111.11 a month; this is in addition to his present appointment (6-11-62).
- HARTLEY, THOMAS C., Associate Professor of General Engineering (Civil Engineering) (S),  $\frac{1}{2}$  time, two months from June 16, 1962, \$911.12; this is in addition to his present appointment (6-11-62).
- HEATH, EDWARD H., Counselor in the Student Counseling Service,  $\frac{1}{2}$  time, two

- months from June 16, 1962, \$700; this is in addition to his present appointment (6-18-62).
- HELLER, FLOYD N., Assistant in Anesthesia (Department of Surgery) (Medicine), two months from May 1, 1962, without salary (6-8-62).
- HENDRICKS, CHARLES D., JR., Associate Professor of Electrical Engineering (C), two months from June 16, 1962, \$1,166.67 a month; this is in addition to his present appointment (6-27-62).
- HENRY, JOHN A., Counselor in the Student Counseling Service, two months from July 1, 1962, \$2,356; this is in addition to his present appointment (6-18-62).
- HIRSCH, JERRY, Associate Professor of Psychology, June 16-August 31, 1962, \$2,444.45; this is in addition to his present appointment (6-11-62).
- HOFFMANN, JOSEPH R., Research Associate in Education (University High School), June 18-August 11, 1962, \$1,800 (6-27-62).
- HOLLAND, WILLIAM R., Research Associate in Anthropology, two months from June 16, 1962, \$1,800 (6-27-62).
- HORN, JOHN, Research Associate in Psychology, three months from June 16, 1962, \$533.33 a month (6-18-62).
- HSIAO, THEODORE CHING-TEH, Assistant in Soil Fertility (Agronomy) (S), June 16-August 31, 1962, \$1,138.90 (6-18-62).
- HUDSON, PAUL K., Assistant Professor of Electrical Engineering, Summer Session of 1962, June 18-August 11, 1962, \$2,000 for the period, supersedes previous Summer Session appointment (6-18-62).
- HUMPHREYS, LLOYD G., Professor of Psychology and Head of the Department,  $\frac{1}{2}$  time, two months from June 16, 1962, \$1,888.90; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{2}$  time (6-11-62).
- HUNT, J. M., Professor of Psychology, two months from June 16, 1962, \$3,333.34; this is in addition to his present appointment (6-11-62).
- HUNTER, RONDA F., Research Assistant in Psychology, June 16-June 30, 1962, \$222.22 (6-14-62).
- INGLE, LESTER, Professor of Zoology, two months from June 16, 1962, \$2,488.88; this is in addition to his present appointment (6-14-62).
- IRELAND, HERBERT O., Professor of Civil Engineering (S),  $\frac{1}{2}$  time, June 16-August 15, 1962, \$1,222.22; this is in addition to his present appointment and to his Summer Session appointment (6-8-62).
- JACKSON, JOHN D., Professor of Physics (C), June 16-July 15, 1962, and August 16-September 15, 1962, \$1,566.66 a month; this is in addition to his present appointment (5-31-62).
- JACKSON, JOSEPH F., Professor of French,  $\frac{31}{100}$  time, June 18-August 11, 1962, \$850; this is in addition to his present appointment (6-11-62).
- JACOBS, HARRY L., Associate Professor of Psychology, June 16-August 31, 1962, \$2,444.45; this is in addition to his present appointment (6-8-62).
- JAKOBOVITS, LEON A., Research Associate in the Institute of Communications Research, three months from May 15, 1962, \$722.22 a month, supersedes (6-29-62).
- JEGLA, THOMAS C., Research Assistant in Zoology, two months from June 16, 1962, \$889 (6-18-62).
- JERRARD, RICHARD P., Assistant Professor of Mathematics, June 16-August 31, 1962, \$2,528; this is in addition to his present appointment (5-31-62).
- JOHNSON, WILLIAM H., Associate Professor of Animal Science (S), two months from July 1, 1962, \$1,933.34; this is in addition to his present appointment (5-31-62).
- JORDAN, WAYNE R., Assistant in Soil Physics (Agronomy) (S), June 11-August 31, 1962, \$416.67 a month, supersedes (6-18-62).
- JULIAN, JAMES W., Research Associate in Psychology,  $\frac{2}{3}$  time, two months from June 16, 1962, \$355.56 a month; this is in addition to his present appointment (6-11-62).
- KENDEIGH, S. CHARLES, Professor of Zoology, one month from June 16, 1962, \$1,489; this is in addition to his present appointment (6-11-62).
- KEYNAN, ALEXANDER, Visiting Lecturer in Chemistry,  $\frac{2}{3}$  time, two months from June 16, 1962, \$1,000 (6-22-62).
- KIEN, GERALD A., Assistant Professor of Pharmacology (Medicine), two months from July 1, 1962, \$1,033.34 a month; this is in addition to his present appointment (6-18-62).

- KIMURA, HIROSHI, Research Associate in Food Technology (S), June 16, 1962-August 31, 1963, \$516.67 a month (6-29-62).
- KING, MRS. COLLENE B., Instructor in Home Economics-Child Development, Summer Session of 1962, June 18-August 11, 1962, \$1,245 for the period (6-27-62).
- KINNEY, PAUL T., Assistant Professor of Finance, two months from June 16, 1962, \$955.56 a month; this is in addition to his present appointment (6-8-62).
- KNAKE, RONALD W., Research Assistant in Ceramic Engineering (S), two months from June 16, 1962, \$900 (6-29-62).
- KNUDSON, BONNIE C., Counselor in Speech Summer Residential Program, 17/100 time, Summer Session of 1962, June 18-August 11, 1962, \$150 for the period (6-14-62).
- KOEHLER, JAMES, Professor of Physics (C), June 16-July 31, 1962, and September 1-15, 1962, \$1,611.11 a month; this is in addition to his present appointment (5-31-62).
- KONZ, MARVIN J., Research Assistant in Chemistry, two months from June 16, 1962, \$978, supersedes (6-14-62).
- KOPFLIN, JULIUS O., Research Associate Professor in the Coordinated Science Laboratory (C), two months from June 16, 1962, \$1,077.78 a month; this is in addition to his present appointment (6-18-62).
- KORST, HELMUT H., Professor of Mechanical Engineering (C), two months from June 16, 1962, \$3,666.66; this is in addition to his present appointment (6-18-62).
- KRANTZ, PAUL, Assistant in Education (University High School), June 18-August 11, 1962, \$890 (6-11-62).
- KRUIDENIER, FRANCIS J., Professor of Zoology, two months from June 16, 1962, \$1,112 a month; this is in addition to his present appointment (6-11-62).
- KRYSAN, JAMES L., Research Assistant in Entomology, two months from June 16, 1962, \$888.88, supersedes (6-18-62).
- KUBOTA, MITSURU, Visiting Lecturer in Chemistry, two months from June 16, 1962, \$1,700 (6-18-62).
- KUPPERMANN, ARON, Research Associate Professor of Chemistry, two months from June 16, 1962, \$2,045; this is in addition to his present appointment (6-18-62).
- LANGENHEIM, RALPH L., Research Assistant Professor of Geology, two months from June 16, 1962, \$1,734; this is in addition to his present appointment (6-11-62).
- LARSON, VIVIAN P., Assistant in Home Economics, Summer Session of 1962, June 18-July 14, 1962, \$567 for the period (6-27-62).
- LATHROPE, DONALD E., Associate Professor of Rural Sociology (Agricultural Economics) (C), ½ time, two months from June 16, 1962, \$1,188.88; this is in addition to his present appointment (6-18-62).
- LAUGHNAN, JOHN R., Professor of Botany, two months from June 16, 1962, \$3,234; this is in addition to his present appointment (6-18-62).
- LAZARUS, DAVID, Professor of Physics (C), June 16-July 15, 1962, and August 16-September 15, 1962, \$1,277.77 a month; this is in addition to his present appointment (5-31-62).
- LEACH, JAMES L., Assistant Coordinator of International Cooperation Programs (Provost's Office and College of Engineering), ½ time, two months from June 16, 1962, \$556 a month; this is in addition to his present appointment (6-18-62).
- LEHMANN, JOHN R., Instructor in Electrical Engineering, Summer Session of 1962, June 18-August 11, 1962, \$1,423 for the period, supersedes previous Summer Session appointment (6-18-62).
- LICHTENBERGER, WILLIAM W., Research Assistant Professor in the Coordinated Science Laboratory (C), two months from June 16, 1962, \$1,000 a month; this is in addition to his present appointment (6-18-62).
- LINDBLAD, NERO R., Research Assistant in the State Water Survey, one year from July 1, 1962, \$6,000, supersedes (6-27-62).
- LONDON, PERRY, Assistant Professor of Psychology, June 16-August 31, 1962, \$2,166.67; this is in addition to his present appointment (6-8-62).
- LOW, MRS. LEONE, Instructor in Mathematics, ½ time, June 16-August 15, 1962, and full time, August 16-31, 1962, \$1,000; this is in addition to her present appointment and to her Summer Session appointment on ½ time (5-31-62).

- LYMAN, ERNEST M., Research Professor in the Coordinated Science Laboratory (C), two months from June 16, 1962, \$1,477.77 a month; this is in addition to his present appointment (6-18-62).
- MACHNE, XENIA, Assistant Professor of Pharmacology (Medicine), two months from July 1, 1962, \$1,033.34 a month; this is in addition to her present appointment (6-18-62).
- MAJORS, JAMES S., Research Assistant in Psychology, two months from June 16, 1962, \$888.88 (6-11-62).
- MANWELL, CLYDE, Assistant Professor of Physiology, June 16-August 31, 1962, \$2,430.55; this is in addition to his present appointment (6-8-62).
- MARQUARDT, WILLIAM C., Associate Professor of Veterinary Pathology and Hygiene (Veterinary Medicine), two months from June 16, 1962, \$1,056 a month (6-18-62).
- MASALSKI, WILLIAM J., Research Associate in Education (University High School), June 16-August 11, 1962, \$1,800; and for the academic year beginning September 1, 1962, \$8,100 (6-27-62).
- MAST, P. EDWARD, Associate Professor of Electrical Engineering (C), June 16-30, 1962, \$1,077.77 a month; this is in addition to his present appointment (6-18-62).
- MATHIEU, JEAN M. V., Research Assistant in Entomology, two months from July 1, 1962, \$890 (6-11-62).
- MAURER, ROBERT J., Professor of Physics (C), June 16-30, 1962, and August 1-September 15, 1962, \$1,800 a month; this is in addition to his present appointment (5-31-62).
- MCCABE, MRS. NANCIE M., Research Assistant in Chemistry, three months from June 1, 1962, \$500 a month (6-11-62).
- MCCRIMMON, MRS. BARBARA J. S., Research Associate in the Bureau of Community Planning,  $\frac{1}{2}$  time, one year from June 1, 1962, \$2,925 (6-18-62).
- MCDONALD, VINCENT J., Associate Professor of Civil Engineering (S), two months from June 16, 1962, \$2,000; this is in addition to his present appointment (6-8-62).
- MCMURRAY, WALTER J., Research Assistant in Chemistry, two months from June 16, 1962, \$978, supersedes (6-14-62).
- MEISSEN, MARVIN F., Assistant in Soil Fertility (Agronomy) (S), three months from June 1, 1962, \$416.67 a month, supersedes (6-18-62).
- MERRITT, J. LEVERING, Associate Professor of Civil Engineering (S), two months from June 16, 1962, \$1,977.78; this is in addition to his present appointment (6-8-62).
- MEUWESE, WILHELMUS A. T., Research Assistant in Psychology, June 16-August 31, 1962, \$1,111.10 (6-8-62).
- MILLER, IRVING M., Instructor in English (Chicago Undergraduate Division), Summer Session of 1962, June 22-August 17, 1962, \$1,556 for the period (6-8-62).
- MOORE, DUANE M., Research Assistant in Geology, two months from June 16, 1962, \$889 (6-8-62).
- MORRIS, CHARLES E., JR., Assistant in Mathematics, three months from June 16, 1962, \$1,934; this is in addition to his present appointment (6-29-62).
- MORROW, JO DEAN, Associate Professor of Theoretical and Applied Mechanics (C), June 16-July 15, 1962, and August 1-31, 1962, \$1,000 a month; this is in addition to his present appointment (6-5-62).
- MUELLER, EUGENE A., Research Associate in the State Water Survey, one year from July 1, 1962, \$10,800, supersedes (6-27-62).
- MUELLER, JOSEPH, Assistant in Education (University High School), June 18-August 11, 1962, \$890 (6-11-62).
- MUELLER, THOMAS J., Assistant Professor of Mechanical Engineering (C), June 16-August 31, 1962, \$2,250; this is in addition to his present appointment (6-5-62).
- MUHLSTADT, WILLIAM J., Research Assistant in Ceramic Engineering (S), June 16-August 31, 1962, \$1,125 (7-5-62).
- MUNSE, WILLIAM H., Professor of Civil Engineering (S),  $\frac{1}{2}$  time, two months from June 16, 1962, \$1,538.90; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{2}$  time (6-8-62).
- MURDY, WILLIAM H., Research Associate in Botany, two months from June 16, 1962, \$1,083.34 (6-18-62).

- MUSLIN, HYMAN L., Instructor in Psychiatry (Medicine), July 1, 1962-June 30, 1963, \$13,500 a year, supersedes (6-22-62).
- NAGATA, SHUICHI, Research Assistant in Anthropology, June 16-August 31, 1962, \$1,111.10; and Research Associate in Anthropology, one year from September 1, 1962, \$5,850 (6-27-62).
- NALBANDOV, MRS. OLGA G., Research Associate in Entomology,  $\frac{1}{2}$  time, six months from March 1, 1962, \$1,800 (6-11-62).
- NANNEY, DAVID L., Professor of Zoology, two months from June 16, 1962, \$1,477.78 a month; this is in addition to his present appointment (6-11-62).
- NARASINGA-RAO, KOTCHERLAKOTA V., Research Associate in Electrical Engineering (S), three months from June 1, 1962, \$625 a month, supersedes (6-8-62).
- NELSON, JAMES C., Assistant in Mathematics, three months from June 16, 1962, \$1,900 (6-29-62).
- NELSON, WAYNE B., Assistant in Mathematics, June 16-August 31, 1962, \$444.44 a month (5-31-62).
- NESSERLOADE, JOHN R., Research Assistant in Psychology, June 16-August 31, 1962, \$1,111.10 (6-18-62).
- NEWMARK, NATHAN M., Professor of Civil Engineering and Head of the Department (C and S),  $\frac{3}{4}$  time, two months from June 16, 1962, \$3,666.66; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{4}$  time (6-8-62).
- NISHIJIMA, KAZUHIKO, Professor of Physics (C), two months from June 16, 1962, \$1,555.55 a month; this is in addition to his present appointment (6-8-62).
- NIXON, JAMES E., Resident Manager, Single Graduate Halls, June 11-August 31, 1962, \$250 a month, supersedes; and one year from September 1, 1962, \$3,000; for the convenience of the University he will also be furnished an apartment (6-27-62).
- NORMANDIN, DIANE K., Instructor in Veterinary Anatomy and Histology (Veterinary Medicine), academic year beginning September 1, 1962, \$6,000 (5-31-62).
- OLSON, MRS. SALLY, Research Assistant in Zoology, two months from June 16, 1962, \$889 (6-18-62).
- PAL, DILIP K., Research Assistant in the Bureau of Community Planning, two months from June 16, 1962, \$444.44 a month (6-18-62).
- PANKIN, KATE, Assistant in Education (University High School), June 18-August 11, 1962, \$890 (6-18-62).
- PARKER, EDWIN B., Research Assistant Professor in the Institute of Communications Research, two months from June 16, 1962, \$1,724.44; this is in addition to his present appointment (6-18-62).
- PAROCHETTI, JAMES, Assistant in Farm Management (Agricultural Economics) (S), two months from July 1, 1962, \$911.12 (6-18-62).
- PASTIKA, MRS. MADDALENA F., Assistant in Anesthesiology (Surgery) (Medicine), two months from May 1, 1962, without salary (6-11-62).
- PATTON, EARL D., Visiting Lecturer in Education, Summer Session of 1962,  $\frac{1}{2}$  time, June 18-August 11, 1962, \$1,000 for the period (6-18-62).
- PEARSON, ROBERT E., Pharmacy Resident in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy),  $\frac{1}{2}$  time, June 1, 1962-August 31, 1963, \$1,500 a year; for the convenience of the University he will also receive room, board, and uniforms (6-18-62).
- PEASE, DAVID W., JR., Assistant in Education (University High School), June 18-August 11, 1962, \$1,178 (6-11-62).
- PETERSON, KARLA J., Research Assistant in Physiology, two months from June 16, 1962, \$888.88 (6-8-62).
- PIERCE, HELEN W., Visiting Lecturer in Education, July 2-August 24, 1962, \$2,000 (6-8-62).
- PORTER, LAURELLEN, Assistant to the Dean of Women, two months from July 1, 1962, \$475 a month; for the convenience of the University she will also receive an apartment and meals while the dining rooms are in operation valued at \$31 a month (6-11-62).
- POTTLE, MARCIA S., Research Assistant in Chemistry, two months from July 1, 1962, \$817 (6-18-62).
- POWNALL, GEORGE A., Research Assistant in Sociology, two months from June 16, 1962, \$1,055.56 (6-11-62).



- PROSSER, C. LADD, Professor of Physiology,  $\frac{3}{4}$  time, two months from June 16, 1962, \$2,000; this is in addition to his present appointment (6-21-62).
- PURITT, MRS. SHEILA, Research Assistant in Anthropology, June 16-August 31, 1962, without salary (6-5-62).
- RABIN, MARVIN, Visiting Lecturer in Music,  $\frac{1}{4}$  time, Summer Session of 1962, June 18-August 11, 1962, \$400 for the period (6-8-62).
- RABINOWITCH, EUGENE, Professor of Botany, two months from June 16, 1962, \$3,111.12; this is in addition to his present appointment (6-8-62).
- RAFF, LIONEL M., Research Associate in Chemistry, two months from June 16, 1962, \$1,000 (6-18-62).
- RAJAN, N. S. SUNDARA, Research Associate in the Radiocarbon Laboratory, two months from June 16, 1962, \$600 a month (6-11-62).
- RAO, CHIVUKULA R., Research Assistant in Mathematics, two months from June 16, 1962, \$890 (6-18-62).
- REINER, IRVING, Professor of Mathematics, June 16-August 31, 1962, \$4,056; this is in addition to his present appointment (5-31-62).
- ROBERTS, DONALD M., Assistant Professor of Mathematics, June 16-August 31, 1962, \$811.11 a month; this is in addition to his present appointment (5-31-62).
- ROBINSON, ARTHUR R., Associate Professor of Civil Engineering (S),  $\frac{1}{2}$  time, two months from June 16, 1962, \$1,077.78; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{4}$  time (6-8-62).
- RODWAN, ALBERT S., Research Assistant in Psychology, June 16-August 31, 1962, \$444.44 a month (6-11-62).
- ROE, LOUIS, Assistant in Anesthesiology (Surgery) (Medicine), three months from April 1, 1962, without salary (6-11-62).
- ROEDER, ROBERT C., Assistant in Astronomy, two months from June 16, 1962, \$889 (6-14-62).
- RUCKER, WALTER, Assistant in Education (University High School), June 18-August 11, 1962, \$890 (6-18-62).
- RUNDUS, ROBERT E., Research Associate in Education (University High School), two months from July 1, 1962, \$1,800; and for the academic year beginning September 1, 1962, \$8,100 (6-27-62).
- RUSSO, ALEXANDER J., Assistant in the Radiocarbon Laboratory, June 1-August 15, 1962, \$444.44 a month (6-8-62).
- SARD, ROBERT D., Professor of Physics (C), June 16-July 31, 1962, and September 1-15, 1962, \$1,555.55 a month; this is in addition to his present appointment (5-31-62).
- SARGENT, FREDERICK, II, Professor of Physiology, two months from June 16, 1962, \$2,233.32; this is in addition to his present appointment (6-8-62).
- SCHEYER, FREDERICK D., Assistant in the Institute of Aviation, June 16-August 31, 1962, \$465 a month (5-31-62).
- SCHILL, WILLIAM J., Assistant Professor of Education, Summer Session of 1962, June 18-August 11, 1962, \$1,889 for the period (6-28-62).
- SCHULZ, ARTHUR R., Visiting Lecturer in Chemistry, Summer Session of 1962, June 18-August 11, 1962, \$1,867 for the period (6-14-62).
- SHANNON, DONALD T., Assistant Professor of Psychology, two months from June 16, 1962, \$1,800; this is in addition to his present appointment (6-8-62).
- SHAW, GAYLORD E., Assistant in Veterinary Pathology and Hygiene (Veterinary Medicine), full time, June 16-September 15, 1962, \$408.33 a month; and  $\frac{2}{3}$  time, September 16, 1962-August 31, 1963, \$275 a month (6-4-62).
- SIBINOVIC, STEVAN M., Research Assistant in Veterinary Pathology and Hygiene (Veterinary Medicine), July 1, 1962-August 31, 1963, \$4,900 a year (7-2-62).
- SIEGFRIED, ROBERT, Research Associate Professor in the Division of General Studies, June 16-August 31, 1962, \$955.56 a month; this is in addition to his present appointment (6-11-62).
- SISS, CHESTER P., Professor of Civil Engineering (S), two months from June 16, 1962, \$3,077.78; this is in addition to his present appointment (6-8-62).
- SIMMONS, HOWARD J., Research Assistant in Physiology, two months from June 16, 1962, \$888.88 (6-11-62).
- SIMMONS, RALPH O., Associate Professor of Physics (C), two months from June 16, 1962, \$966.67 a month; this is in addition to his present appointment (6-8-62).

- SIMONSEN, ELAINE, Assistant in Education (University High School), June 18-August 11, 1962, \$888.88 (6-8-62).
- SINCLAIR, GEORGE M., Professor of Theoretical and Applied Mechanics (C), one month from June 16, 1962, and one month from August 1, 1962, \$1,400 a month; this is in addition to his present appointment (6-4-62).
- SINGH, H. DEVENDRA, Research Associate in Animal Science (S), May 17, 1962-April 30, 1963, \$5,850 a year, supersedes (6-22-62).
- SINNAMON, GEORGE K., Professor of Civil Engineering (S), two months from June 16, 1962, \$2,222.24; this is in addition to his present appointment (6-8-62).
- SIRKIS, MURRAY D., Associate Professor of Electrical Engineering (C), two months from June 16, 1962, \$1,188.89 a month; this is in addition to his present appointment (6-8-62).
- SLICHTER, CHARLES P., Professor of Physics (C), June 16-July 15, 1962, and August 16-September 15, 1962, \$1,888.88 a month; this is in addition to his present appointment (6-8-62).
- SLOTNICK, BURTON, Research Assistant in Physiology, two months from June 16, 1962, \$888.88, supersedes (6-18-62).
- SMITH, JAMES H., Professor of Physics (C), one month from August 1, 1962, \$1,133.33; this is in addition to his present appointment (6-8-62).
- SMITH, JULIUS, Instructor in Mathematics, Summer Session of 1962, June 18-August 11, 1962, \$1,512 for the period (6-18-62).
- SMITH, LEONE M., Instructor in Education, Summer Session of 1962, June 18-August 11, 1962, \$1,400 for the period (6-18-62).
- SMITH, RICHARD R., Assistant in Plant Breeding (Agronomy) (S), June 11-August 31, 1962, \$416.67 a month (6-18-62).
- SMITH, ROBERT M., Research Assistant in the Institute for Research on Exceptional Children, June 18-August 11, 1962, \$477.78 a month (6-11-62).
- SMITH, WALTER L., Research Assistant in the Office of Instructional Research (Provost's Office), June 16, 1962-August 31, 1963, \$7,200 a year (6-27-62).
- SNYDER, HAROLD R., Associate Dean of the Graduate College and Research Professor of Organic Chemistry (Liberal Arts and Sciences), two months from June 16, 1962, \$3,645; additional and superseding (5-31-62).
- SOZEN, METE A., Associate Professor of Civil Engineering (S),  $\frac{1}{2}$  time, two months from June 16, 1962, \$1,055.56; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{2}$  time (6-8-62).
- STALLMEYER, JAMES E., Professor of Civil Engineering (S),  $\frac{1}{2}$  time, two months from June 16, 1962, \$1,222.22; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{2}$  time (6-8-62).
- STAPLETON, HARVEY J., Assistant Professor of Physics (C), two months from June 16, 1962, \$800 a month; this is in addition to his present appointment (6-8-62).
- STEFFENSEN, DALE M., Associate Professor of Botany, two months from June 16, 1962, \$2,666.66; this is in addition to his present appointment (6-8-62).
- STEGGERDA, FREDERIC R., Professor of Physiology,  $\frac{4}{5}$  time, two months from June 16, 1962, \$2,138.88; this is in addition to his present appointment (6-14-62).
- STEINER, IVAN D., Professor of Psychology,  $\frac{1}{2}$  time, June 16-August 15, 1962, \$1,200; this is in addition to his present appointment (6-8-62).
- STIPPES, MARVIN C., Professor of Theoretical and Applied Mechanics (C),  $\frac{1}{2}$  time, June 16-August 9, 1962, and September 10-September 15, 1962, \$600 a month; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{2}$  time (6-5-62).
- STOLUROW, LAWRENCE M., Professor of Psychology, one month from June 16, 1962, \$1,177.78; this is in addition to his present appointment (6-27-62).
- STORCH, RICHARD H., Research Assistant in Entomology, two months from June 16, 1962, \$888.88 (6-8-62).
- STURMTHAL, ADOLF F., Professor of Labor and Industrial Relations, one month from June 16, 1962, \$1,650; this is in addition to his present appointment (6-4-62).
- SUH, DAVID K., Research Assistant in Psychology, one month from June 16, 1962, \$444.44 (6-27-62).
- SUZUKI, MICHIO, Professor of Mathematics, June 16-August 31, 1962, \$2,000 a month; this is in addition to his present appointment (6-11-62).

- SWENSON, GEORGE, Professor of Electrical Engineering and of Astronomy (Engineering), two months from June 16, 1962, \$1,444.44 a month; this is in addition to his present appointment (6-18-62).
- SYKES, JOHN, Research Associate in Chemistry, two months from June 16, 1962, \$1,667; this is in addition to his present appointment (6-18-62).
- SZABO, STEVEN, Research Associate in Education (University High School), June 16-August 11, 1962, \$1,800; and for the academic year beginning September 1, 1962, \$8,100 (6-27-62).
- TANG, CHIEN-HUI, Research Assistant in Electrical Engineering (S), June 16-August 31, 1962, \$500 a month, supersedes (6-18-62).
- THURMON, JOHN C., Instructor in Veterinary Clinical Medicine (Veterinary Medicine), 7/10 time, and in Veterinary Research (Agricultural Experiment Station), 3/10 time, July 1, 1962-August 31, 1963, \$7,000 a year (6-27-62).
- TICHENOR, DUANE, Instructor in Education, Summer Session of 1962, June 18-August 11, 1962, \$1,334 for the period (6-8-62).
- TOBE, MARTIN L., Visiting Lecturer in Chemistry and Chemical Engineering, Summer Session of 1962, June 18-August 11, 1962, \$1,700 for the period (6-8-62).
- TOMCZYK, JOHN R., Assistant (Reading) in the Student Counseling Service, 1/2 time, June 18-August 11, 1962, \$533 (6-22-62).
- TRAFTON, CLINTON L., Research Assistant in Psychology, two months from July 1, 1962, \$888.88 (6-27-62).
- TRJITZINSKY, WALDEMAR J., Professor of Mathematics, two months from July 1, 1962, \$3,290; this is in addition to his present appointment (6-5-62).
- TROTT, BEVERLY D., Research Associate in Metallurgy (C), two months from July 1, 1962, \$600; this is in addition to his present appointment (6-5-62).
- TSUDA, MASUMI, Visiting Research Assistant in Labor and Industrial Relations, one year from July 1, 1962, \$4,900 (6-4-62).
- TUCKWOOD, DWIGHT O., Undergraduate Librarian in the Library, with rank of Instructor, two months from July 1, 1962, \$7,400 a year, and one year from September 1, 1962, \$8,200 (6-27-62).
- TUMAN, VLADIMIR S., Associate Professor of Petroleum Engineering (C), June 16-August 8, 1962, \$1,066.66 a month; this is in addition to his present appointment (6-8-62).
- VAN HOLDE, KENSAL E., Research Associate Professor of Chemistry, two months from June 16, 1962, \$2,089; this is in addition to his present appointment (6-11-62).
- VELETOS, ANESTIS S., Professor of Civil Engineering (S), two months from June 16, 1962, \$2,666.66; this is in addition to his present appointment (6-8-62).
- VERDEYEN, JOSEPH T., Assistant Professor of Electrical Engineering (C), June 16-August 31, 1962, \$833.33 a month, supersedes (6-29-62).
- WALLACE, DONALD M., Assistant in Mechanical and Industrial Engineering, Summer Session of 1962, June 18-August 11, 1962, \$934 for the period, supersedes previous Summer Session appointment (6-8-62).
- WALLACE, WILLIAM H., Assistant in Finance, two months from June 16, 1962, \$444.44 a month (6-8-62).
- WARE, EDWARD E., Research Assistant Professor in the Institute of Communications Research, two months from June 16, 1962, \$833.33 a month (6-18-62).
- WATANABE, SHOSUKE, Research Associate in Psychiatry (Medicine), May 16-August 31, 1962, \$541.67 a month (6-8-62).
- WAX, NELSON, Research Professor in the Coordinated Science Laboratory (C), one month from June 16, 1962, \$1,722.22; this is in addition to his present appointment (6-18-62).
- WAYMAN, CLARENCE M., Associate Professor of Metallurgical Engineering (C), June 16-August 31, 1962, \$911.11 a month, additional and superseding (6-27-62).
- WEBB, HAROLD D., Professor of Electrical Engineering (C), two months from June 16, 1962, \$1,222.22 a month; this is in addition to his present appointment (6-18-62).
- WEIDERT, JOHN F., Assistant Extension Editor, with rank of Instructor (E), July 1, 1962-August 31, 1963, \$6,400 a year (6-27-62).
- WEIR, MORTON W., Assistant Professor of Psychology, June 16-August 31, 1962, \$2,083.33; this is in addition to his present appointment (6-8-62).

- WHEATLEY, JOHN C., Professor of Physics (C), August 16-September 15, 1962, \$1,277.77; this is in addition to his present appointment (5-31-62).
- WHITE, PETER B., Research Assistant in Metallurgy (C), two months from July 1, 1962, \$488.88 a month (6-8-62).
- WIJSMAN, ROBERT A., Associate Professor of Mathematics, June 16-August 31, 1962, \$2,722; this is in addition to his present appointment (5-31-62).
- WILF, HERBERT S., Research Assistant Professor of Mathematics, June 16-August 31, 1962, \$944.44 a month; this is in addition to his present appointment (6-11-62).
- WILLIAMS, KENNETH, Research Assistant in Zoology, two months from June 16, 1962, \$889 (6-14-62).
- WILLIS, EDWARD, Assistant in Animal Science (S), June 8, 1962-August 31, 1963, \$5,000 a year (6-27-62).
- WINDSOR, DONALD A., Research Assistant in Zoology, two months from June 16, 1962, \$889 (6-18-62).
- WISEMAN, DOUGLAS, Research Assistant in the Institute for Research on Exceptional Children, June 18-August 11, 1962, \$477.78 a month (6-11-62).
- YEN, YAO-TUNG, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1962, \$933.32 (6-11-62).

#### GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- AKITT, DONALD P., General Telephone and Electronics Laboratories Fellow in Electrical Engineering, nine months from September 16, 1962, \$2,500 (5-31-62).
- ALCALDE, VICTOR M., United States Public Health Service Fellow (Trainee) in Pediatrics, one year from July 1, 1962, \$6,000 (6-11-62).
- ALLERHAND, ADAM, Postdoctoral Fellow in Chemistry, one year from October 1, 1962, \$5,500 (6-11-62).
- ARNOFF, WILLIAM H., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, \$12,000 (6-20-62).
- ARONSON, NEIL G., Medical Student Summer Quarter Fellow in Pediatrics, three months from June 16, 1962, \$600 (6-5-62).
- ARUGUETE, JOSE, Medical Student Alternative Quarter Fellow, June 16-August 31, 1962, \$200 (5-21-62).
- BAGBY, ROLAND M., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1962, \$2,666, supersedes (6-8-62).
- BAILEY, THOMAS E., Summer Quarter Fellow in Chemistry (Pharmaceutical), three months from June 16, 1962, \$600 (5-28-62).
- BALDWIN, FLETCHER N., JR., Fellow in Law, Summer Session of 1962, June 18-August 11, 1962, \$375 for the period (6-7-62).
- BARRIS, ROBERT G., Fellow (Intern) in Government and Public Affairs, one year from July 1, 1962, \$2,700 (6-12-62).
- BATCHELDER, DAVID N., Sprague Electric Company Teaching Fellow in Physics, nine months from September 16, 1962, \$2,000 (6-19-62).
- BROOKER, ELMER W., Engineering Faculty Development Fellow in Civil Engineering, one year from September 1, 1962, \$1,360 (6-12-62).
- BUEHL, WALTER M., Monsanto Chemical Company Summer Fellow in Chemical Engineering, two months from June 16, 1962, \$500 (6-6-62).
- BURROUS, STANLEY E., Postdoctoral Fellow (Trainee) in Microbiology, three months from June 16, 1962, \$1,650 (6-27-62).
- CAMPBELL, MRS. WILLIE M., National Science Foundation Cooperative Fellow in Zoology, one year from September 1, 1962, \$2,400 (6-20-62).
- CASTELLANO, CHARLES R., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1962, \$2,000 (6-19-62).
- CHERRINGTON, BLAKE E., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1962, \$3,000 (6-14-62).
- CLARKE, RICHARD B., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1962, \$600 (6-4-62).
- COATES, DAVID E., Engineering Faculty Development Teaching Fellow in Nuclear Engineering, one year from September 1, 1962, \$1,900 (6-12-62).
- CORNET, JOANN M., United States Public Health Service Fellow (Trainee) in Pediatrics, one year from July 1, 1962, \$6,200 (6-11-62).

- CUTLER, JANET A., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, \$500 (6-13-62).
- DEAL, WILLIAM C., Postdoctoral Fellow (Trainee) in Chemistry, one month from July 1, 1962, \$540 (6-14-62).
- DODD, GEORGE G., Television Shares Management Teaching Fellow in Electrical Engineering, nine months from September 16, 1962, \$1,989 (5-31-62).
- DOROSZ, LEON C., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$2,400 (6-8-62).
- DRAFER, MILTON, United States Public Health Service Fellow (Trainee) in Physiology, July 1-September 16, 1962, \$375 (6-14-62).
- EDWARDS, JOHN R., United States Public Health Service Fellow (Trainee) in Biological Chemistry, one year from July 1, 1962, \$2,300 (6-11-62).
- ELZINGA, MARSHALL G., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1962, \$2,666 (6-8-62).
- FISCHINGER, PETER J., Medical Student Alternative Quarter Fellow, June 16-August 31, 1962, \$200 (5-21-62).
- FITZGERALD, JAMES E., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 1, 1962, \$5,200 (6-4-62).
- GANTT, RALPH R., United States Public Health Service Fellow (Trainee) in Biological Chemistry, one year from July 1, 1962, \$2,300 (6-11-62).
- GENSKOW, JACK K., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, \$500 (6-13-62).
- GLADER, BERTIL E., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1962, \$2,600 (6-14-62).
- GOODE, JOHN W., Medical Student Summer Quarter Fellow in Pharmacology, three months from June 16, 1962, \$600 (6-2-62).
- GRADY, LEE T., Summer Quarter Fellow in Chemistry (Pharmaceutical), three months from June 16, 1962, \$600 (5-28-62).
- GRALLER, JACK L., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, \$2,400 (6-20-62).
- GREEN, MELVIN H., National Institutes of Health Postdoctoral Fellow (Trainee) in Chemistry, two months from June 16, 1962, \$1,040 (6-27-62).
- GRIFFIN, PATRICIA A., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, \$500 (6-13-62).
- GROESCHEL, EDWARD C., JR., Campbell Soup Company Fellow in Food Technology, two months from June 16, 1962, \$533.34 (6-14-62).
- HABAS, LINDA B., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1962, \$2,666, supersedes (6-8-62).
- HARDY, CAROLINE E., Summer Quarter Fellow in Biological Chemistry, three months from June 16, 1962, \$600 (5-28-62).
- HIGHTON, RONALD, Dental Student Summer Quarter Fellow in Pedodontics, three months from June 16, 1962, \$600 (6-15-62).
- HOFFMAN, EDWARD L., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$2,400 (6-8-62).
- HOFFMAN, JOAN C., Summer Quarter Fellow in Physiology, three months from June 16, 1962, \$600 (5-28-62).
- HOLMES, PETER K., United States Public Health Service Fellow (Trainee) in Microbiology, June 16-June 30, 1962, \$116.67, and one year from July 1, 1962, \$3,200 (5-31-62).
- HOUCHENS, ALBERT F., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1962, \$2,000 (6-14-62).
- HUFFAKER, DONALD C., Engineering Faculty Development Teaching Fellow in Theoretical and Applied Mechanics, one year from September 1, 1962, \$2,000 (6-12-62).
- HUNT, SUSAN D., Summer Quarter Fellow in Microbiology, three months from June 16, 1962, \$600 (5-28-62).
- HUNTER, JOHN E., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$2,000 (6-8-62).
- JOHNSON, JOYCE H., University Fellow at the Medical Center, one year from September 1, 1962, \$2,300, supersedes (6-16-62).
- JONES, ROBERT M., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, \$1,500, supersedes (6-1-62).

- KATAGUE, DAVID B., Summer Quarter Fellow in Chemistry (Pharmaceutical), three months from June 16, 1962, \$600 (5-28-62).
- KENNY, JOHN W., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$2,000 (6-8-62).
- KIM, SUN CHUN, Wright Fellow in Agriculture, nine months from September 16, 1962, \$1,500 (6-19-62).
- LEE, DONG WOO, Fellow in Civil Engineering, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375 (6-4-62).
- LEE, KEUN SHIL, United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1962, \$2,666, supersedes (6-8-62).
- LENER, ALAN E., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, \$2,400 (6-20-62).
- LENER, LEON M., Summer Quarter Fellow in Biological Chemistry, three months from June 16, 1962, \$600 (5-28-62).
- LOEY-TASCHINI, HANNELORE, United States Public Health Service Fellow (Trainee) in Pharmacology, one year from July 1, 1962, \$5,500 (6-11-62).
- MAGLIONE, FRANK D., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, \$700 (6-13-62).
- MAILMAN, DAVID, United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1962, \$3,000 (6-14-62).
- MANDY, WILLIAM J., United States Public Health Service Fellow (Trainee) in Microbiology, June 16-June 30, 1962, \$116.67, and one year from July 1, 1962, \$3,200 (5-31-62).
- MEDENIS, RUTE, United States Public Health Service Fellow (Trainee) in Pediatrics, one year from July 1, 1962, \$6,200 (6-11-62).
- MILLER, FRANKLIN C., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, \$2,400 (6-20-62).
- MIZUKAMI, HIROSHI, United States Public Health Service Fellow (Trainee) in Biophysics, six months from July 1, 1962, \$1,333 (6-8-62).
- MONROE, BRUCE M., Teaching Fellow in Chemistry, nine months from September 16, 1962, \$1,800, and two months from June 16, 1963, \$600 (3-30-62).
- MOROWITZ, DAVID A., Medical Student Alternative Quarter Fellow, June 16-August 31, 1962, \$200 (5-21-62).
- MOSIMANN, ELLA B., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, \$450 (6-13-62).
- MOTIL, JOHN M., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1962, \$2,000 (6-14-62).
- MYERS, DAVID D., United States Public Health Service Fellow (Trainee) in Veterinary Medicine, one year from June 1, 1962, \$4,300 (6-15-62).
- NEIDINGER, JOSEPH W., Summer Quarter Fellow in Physiology, three months from June 16, 1962, \$600 (5-28-62).
- PALMER, JERRY L., United States Public Health Service Fellow (Trainee) in Microbiology, June 16-June 30, 1962, \$110, and one year from July 1, 1962, \$2,800 (6-14-62).
- PARDINI, RONALD S., United States Public Health Service Fellow (Trainee) in Food Technology, one year from September 1, 1962, \$2,500 (5-28-62).
- PASHNIAK, DANIEL W., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1962, \$3,000 (6-14-62).
- PETERSON, DAVID M., Hackett Fellow in Agronomy, nine months from September 16, 1962, \$1,800, supersedes (5-21-62).
- PIROK, DARRYL J., Rappaport Fellow for the summer in Physiology, three months from June 16, 1962, \$600 (6-15-62).
- PIZER, ESTHER R., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, \$12,000 (6-20-62).
- QUAINANCE, LEE T., Fellow (Intern) in Government and Public Affairs, one year from September 1, 1962, \$2,700 (6-13-62).
- RAUSCH, PAUL J., Engineering Faculty Development Teaching Fellow in Theoretical and Applied Mechanics, five months from September 1, 1962, \$1,000 (6-12-62).
- RICKHOFF, WILLIAM L., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1962, \$3,000 (6-14-62).

- ROBERTS, VERNE L., Engineering Faculty Development Teaching Fellow in Theoretical and Applied Mechanics, one year from September 1, 1962, \$2,000 (6-12-62).
- RUBENSTEIN, DANIEL, United States Public Health Service Fellow (Trainee) in Biophysics, one year from July 1, 1962, \$2,666 (6-8-62).
- RUSSELL, ROBB N., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1962, \$2,000 (6-14-62).
- SAEGER, KAY E., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1962, \$2,666, supersedes (6-8-62).
- SAGERS, RICHARD D., Postdoctoral Fellow (Trainee) in Chemistry, three months from June 1, 1962, \$3,300 (6-11-62).
- SAIN, MICHAEL K., Paul V. Galvin Teaching Fellow in Electrical Engineering, nine months from September 16, 1962, \$2,000 (5-31-62).
- SAMUELS, ROBERT B., United States Public Health Service Fellow (Trainee) in Food Technology, one year from September 1, 1962, \$2,500 (5-28-62).
- SCHROEDER, WILLIAM F., United States Public Health Service Fellow (Trainee) in Veterinary Medicine, one year from August 1, 1962, \$5,200 (6-8-62).
- SHA'AFI, RAMADAN I., United States Public Health Service Fellow (Trainee) in Biophysics, one year from June 16, 1962, \$2,666 (6-8-62).
- SHARP, JAMES B., United States Public Health Service Fellow (Trainee) in Veterinary Medicine, one year from June 1, 1962, \$6,300, supersedes (6-8-62).
- SHAW, PAUL V., American Oil Foundation Fellow in Chemical Engineering, one year from June 1, 1962, \$3,600 (6-20-62).
- SHOFFNER, JAMES P., Summer Quarter Fellow in Chemistry (Pharmaceutical), three months from June 16, 1962, \$600 (5-28-62).
- SIEVEKING, NICHOLAS A., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$2,000 (6-12-62).
- SMITH, THOMAS E., JR., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375, supersedes (6-11-62).
- SPURGASH, ARNOLD J., Summer Quarter Fellow in Microbiology, three months from June 16, 1962, \$600 (5-28-62).
- SRVLEY, TED F., Lois Wells Irwin Fellow in Library Science, one year from June 16, 1962, \$500 (6-18-62).
- STARK, FRED R., Medical Student Alternative Quarter Fellow, June 16-August 31, 1962, \$200 (5-21-62).
- SWALLOW, RONALD J., United States Public Health Service Fellow (Trainee) in Biophysics, one year from July 1, 1962, \$2,666 (6-8-62).
- SWIATEK, KENNETH R., United States Public Health Service Fellow (Trainee) in Biological Chemistry, one year from July 1, 1962, \$2,300 (6-11-62).
- TOBEY, ROBERT A., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1962, \$2,500 (6-25-62).
- TREECE, JAMES M., Fellow in Law, in the Summer Session of 1962, June 18-August 11, 1962, \$375 for the period (6-7-62).
- UNIKEL, IRVING P., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$2,000 (6-8-62).
- VAICHULIS, EUGENE M., Summer Quarter Fellow in Microbiology, three months from June 16, 1962, \$600 (5-28-62).
- VAN EGEREN, LAWRENCE F., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$2,400 (6-8-62).
- VOLNER, PATSY R., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, \$450 (6-14-62).
- WAGNER, THOMAS J., Fellow (Intern) in Government and Public Affairs, one year from July 1, 1962, \$2,700 (5-31-62).
- WALKER, RICHARD E., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, \$500 (6-13-62).
- WALSH, PATRICIA J., United States Public Health Service Fellow (Trainee) in Biological Chemistry, one year from July 1, 1962, \$2,300 (6-11-62).
- WARD, LINDA G., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, \$450 (6-13-62).
- WATSON, JAMES R., Summer Quarter Fellow in Microbiology, three months from June 16, 1962, \$600 (5-28-62).

- WEAVER, LELLAND A. C., Collins Radio Company Teaching Fellow in Electrical Engineering, nine months from September 16, 1962, \$2,000 (5-31-62).
- WEBER, DENNIS F., United States Public Health Service Postdoctoral Fellow (Trainee) in Dentistry, four months from May 1, 1962, \$5,500, supersedes (6-1-62).
- WELSH, THOMAS L., Summer Quarter Fellow in Chemistry (Pharmaceutical), three months from June 16, 1962, \$600 (5-28-62).
- WILLIAMSEN, JOHN A., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$2,400 (6-12-62).
- WILSON, VANNIE, JR., United States Public Health Service Fellow (Trainee) in Biochemistry, one year from July 1, 1962, \$2,300 (6-11-62).
- WOLD, FINN, National Institutes of Health Senior Postdoctoral Fellow in Chemistry, two months from June 16, 1962, \$2,000; this is in addition to his present appointment and to his fellowship dated October 24, 1961 (6-27-62).
- WONG, CARL YOU, United States Public Health Service Fellow (Trainee) in Food Technology, one year from September 1, 1962, \$2,500 (5-28-62).
- WOODFIN, BEULAH M., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1962, \$490 (6-4-62).
- ZARYCKY, OKSANA M., United States Public Health Service Fellow (Trainee) in Biological Chemistry, one year from July 1, 1962, \$2,300 (6-11-62).

#### RESIGNATIONS AND DECLINATIONS

- ABDUL-BAKI, AREF, Summer Fellow in Horticulture—resignation effective June 16, 1962.
- ALHADEFF, ALBERT V., Instructor in Economics (Chicago Undergraduate Division)—resignation effective September 1, 1962.
- ANDERSON, MRS. RUTH C., House Director of Beta House—resignation effective July 1, 1962.
- BAUER, ROBERT O., Instructor in Business Management—resignation effective July 15, 1962.
- BAUTZ, FRIEDLINDE, Research Assistant in Chemistry—resignation effective May 1, 1962.
- BHALERAQ, VASANT R., Assistant Professor of Food Technology—resignation effective August 17, 1962.
- BINNING, BRIAN R., Research Assistant in Architecture—declination effective June 25, 1962.
- BORMAN, KAREN L., Instructor in Mathematics (Pharmacy)—resignation effective September 1, 1962.
- BREWER, ROBERT L., Instructor in Veterinary Clinical Medicine and in Veterinary Research—resignation effective July 1, 1962.
- CHENG, HWEI-HSIEN, Research Associate in Soil Fertility—resignation effective July 1, 1962.
- CHICOREL, MRS. MARIETTA, Assistant Architecture Librarian, with rank of Instructor—resignation effective August 1, 1962.
- DAVIS, JIM E., Instructor in Economics—resignation effective September 1, 1962.
- DERAN, ELIZABETH Y., Research Assistant Professor in the Bureau of Economic and Business Research—resignation effective July 1, 1962.
- DODDS, MRS. DORIS, Acquisition Assistant in the Library—resignation effective July 10, 1962.
- EHERNBERGER, NICOLETTE, Acquisition Assistant in the Library—resignation effective June 23, 1962.
- ERNSTING, MARY E., National Science Foundation Mathematics Institute Fellow in Mathematics—resignation effective June 16, 1962.
- FINE, RALPH, Instructor in Accountancy (Chicago Undergraduate Division)—resignation effective September 1, 1962.
- FINNEMORE, DOUGLAS K., Research Associate in Physics—resignation effective July 1, 1962.
- FRENCH, JAMES L., Instructor in Mechanical Engineering—resignation effective September 1, 1962.
- FULCHER, CHARLES E., Assistant in Soil Fertility (Agronomy)—resignation effective June 16, 1962.
- GILDERSLEEVE, HALLETT, Undergraduate Librarian with rank of Instructor, in the Library—resignation effective July 1, 1962.



- HEATH, EDWARD H., Instructor in Physical Education for Men—resignation effective September 1, 1962.
- HINDHEDE, UFFE, Instructor in General Engineering—resignation effective September 1, 1962.
- HOLLEY, EDWARD G., Education, Philosophy, and Psychology Librarian with rank of Assistant Professor, in the Library—resignation effective September 1, 1962.
- HOOVER, ALICE M., Chemistry Library Assistant with rank of Instructor, in the Library—resignation effective September 1, 1962.
- HOUSER, THOMAS S., Instructor in Radiology (Medicine)—resignation effective July 1, 1962.
- HULSEY, MRS. ELIZABETH, Assistant Reference Librarian in the Library—resignation effective July 9, 1962.
- HUNTER, DONALD J., Research Associate in Agricultural Economics—resignation effective September 1, 1962.
- JACKSON, WILLIAM V., Associate Professor of Library Science—resignation effective September 1, 1962.
- JOHNSON, WILLIAM H., Associate Professor of Physiology—resignation effective September 1, 1962.
- KIBLER, VICTOR A., Assistant Professor of Architecture—resignation effective September 1, 1962.
- KOORAJIAN, SAMUEL, Research Associate in Biological Chemistry (Medicine)—resignation effective July 1, 1962.
- KRAMER, MRS. ELIZABETH B., Instructor in English (Chicago Undergraduate Division)—resignation effective September 1, 1962.
- KROEGER, KARL, Serials Assistant in the Library—resignation effective September 1, 1962.
- KUO, MAU-HUAI, Research Associate in Dairy Science—resignation effective June 12, 1962.
- LAU, WILLIAM F., Registered Pharmacist in Hospital Pharmacy (Pharmacy)—resignation effective September 1, 1962.
- LAZZARO, RICHARD A., Summer Fellow in Art—resignation effective June 16, 1962.
- LINDEN, CARL T., Associate Professor of Medical and Dental Illustration (Medical Center, Chicago)—resignation effective May 22, 1962.
- LUKER, MRS. CAROL W., Research Assistant in Microbiology—resignation effective July 1, 1962.
- MASON, RICHARD A., National Institutes of Health Fellow (Trainee) in Veterinary Medical Science—resignation effective July 1, 1962.
- MATHIS, GEORGE R., Instructor in Music—resignation effective September 1, 1962.
- MAUNEY, MILES H., Assistant Professor of Music—resignation effective September 1, 1962.
- MAYRON, LEWIS, Instructor in Biological Chemistry (Medicine)—resignation effective July 1, 1962.
- MEDENIS, RUTE, Instructor in Pediatrics (Medicine)—resignation effective July 1, 1962.
- MILLER, SONIA, Assistant Professor of English (Chicago Undergraduate Division), Summer Session of 1962—resignation effective June 22, 1962.
- MODI, VINOD V., Research Associate in Animal Science—resignation effective July 1, 1962.
- MORGAN, RAMONA L., Instructor in Medical and Dental Illustration (Medical Center, Chicago)—resignation effective July 1, 1962.
- NARASIMHAN, RANGASWAMY, Research Associate in the Digital Computer Laboratory—declination effective September 16, 1962.
- NARASIMHAN, MRS. SITA, Fellow in English—resignation effective September 16, 1962.
- NELSON, CARL R., JR., Assistant Professor of Architecture—resignation effective September 1, 1962.
- NESSLER, JOAN, Assistant Professor of Physical Education for Women—resignation effective September 1, 1962.
- PARKER, EDWIN B., Assistant Professor of Journalism and Research Assistant Professor in the Institute of Communications Research—resignation effective September 1, 1962.

- PEDERSEN, JOANNE M., Assistant in Nursing—resignation effective June 15, 1962.
- PHIPPS, CHARLES M., JR., Assistant Professor of Mechanical Engineering—resignation effective September 1, 1962.
- REIDY, JOHN W., Assistant Professor of Journalism—resignation effective September 1, 1962.
- ROLFE, STANLEY T., Research Associate in Civil Engineering—resignation effective September 1, 1962.
- SCHRIEFFER, J. ROBERT, Associate Professor of Physics—resignation effective September 1, 1962.
- SCRANTON, MARGARET J., Associate Editor with rank of Instructor, in the College of Law—resignation effective June 1, 1962.
- SEARCY, HERBERT L., Cataloger with rank of Instructor, in the Library—resignation effective September 1, 1962.
- SIMPSON, ROBERT D., Clinical Instructor in Surgery (Medicine)—resignation effective June 1, 1962.
- STEWART, EDWARD B., Instructor in Oral and Maxillofacial Surgery (Dentistry)—resignation effective September 1, 1962.
- SUTFIN, DUANE C., Assistant Professor of Physiology—resignation effective September 1, 1962.
- VANGOR, DONALD W., Pharmacy Resident in Hospital Pharmacy (Pharmacy)—resignation effective June 1, 1962.
- WERNER, JOYCE C., Assistant Reference Librarian in the Library—resignation effective September 1, 1962.
- WILSON, CHARLES A., Research Assistant in Soil Fertility—resignation effective July 1, 1962.
- WINKLER, JOHN K., Instructor in Veterinary Extension, Department of Veterinary Pathology and Hygiene (College of Veterinary Medicine and Extension Service in Agriculture and Home Economics)—resignation effective August 1, 1962.
- ZIEL, HENRY R., Assistant Professor of Industrial Education—resignation effective September 1, 1962.

#### LEAVES OF ABSENCE

- CONNALLY, ERNEST A., Professor of Architecture—leave of absence, without pay, September 1, 1962, through February 28, 1963, so that he may accept an appointment as Visiting Professor at Washington University, St. Louis, Missouri; this is in addition to his sabbatical leave, on one-half pay, beginning March 1, 1963, through February 28, 1964.
- CRONBACH, LEE J., Professor of Education and of Psychology—leave of absence, without pay, one month from July 1, 1962.
- GAGE, NATHANIEL L., Professor of Education and of Psychology—leave of absence, without pay, September 1, 1962, through August 31, 1963, so that he may accept a Visiting Professorship in Education at Stanford University.
- HELLMER, LEO A., Professor of Psychology—leave of absence, with full pay, six months from September 1, 1962, and without pay from March 1, 1963, and continuing until further notice, on account of disability.
- LONDON, PERRY, Assistant Professor of Psychology—leave of absence, without pay, one year from September 1, 1962, so that he may accept a Visiting Professorship at Stanford University.
- NICHOLS, MARIE H., Professor of Speech—leave of absence, without pay, September 1, 1962, through February 28, 1963, so that she may accept a Visiting Professorship at the University of Hawaii.
- NIKELLY, ARTHUR G., Assistant Professor of Hygiene and Clinical Psychologist in the Health Service—leave of absence, without pay, from July 16 to August 1, 1962, so that he may serve as a consultant to the Peace Corps in Washington, D.C.
- NOSKER, HERBERT D., Assistant Extension Editor, with rank of Instructor in Agriculture, in the Extension Service in Agriculture and Home Economics—leave of absence from June 14 through July 30, 1962, three weeks with pay, and the remainder of time to be considered annual leave.
- WEISE, ERWIN K., Associate Professor of Metallurgical Engineering—additional leave of absence, on account of disability, from June 5, 1962, until further notice, without pay.

ZIEGLER, RAYMOND J., Associate Professor of Management—leave of absence, without pay, academic year 1962-63, so that he may accept a Visiting Professorship in the Department of Marketing and Industrial Management at the University of Oregon.

#### MEETINGS OF BOARD COMMITTEES

Meetings of the Committees on Buildings and Grounds and General Policy were held following adjournment of the Board. A meeting of the Committee on Buildings and Grounds was also held on Tuesday evening, July 17, pursuant to a call by the Chairman.

On motion of Mr. Johnston, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**September 19, 1962**



The September meeting of the Board of Trustees of the University of Illinois was held at Robert Allerton Park, Monticello, Illinois, September 19, 1962, beginning at 9:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. George T. Wilkins, Mr. Kenney E. Williamson. Governor Otto Kerner was absent. Mr. Richard A. Harewood resigned as a member of the Board of Trustees of the University of Illinois effective at the close of business August 31, 1962, and his resignation was accepted by the Governor.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Bergamo, Vice-President, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. C. W. Weldon, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

**MINUTES APPROVED**

The Secretary presented the minutes of the meetings of the Board of Trustees on February 21, March 17, April 18, and May 24, 1962, press proof copies of which had previously been sent to the Board.

On motion of Mr. Johnston, the minutes were approved as printed on pages 1275 to 1497, inclusive.

**REPORT OF THE EXECUTIVE COMMITTEE**

The Secretary submitted the following report from the Executive Committee of its actions at a duly called meeting held on August 16, 1962.

**MEETING OF THE EXECUTIVE COMMITTEE**

On call of the Chairman, a meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held in the Illini Center, LaSalle Hotel, Chicago, Illinois, on Thursday, August 16, 1962, beginning at 2:30 p.m.

The following members of the Committee were present: Mr. Howard W. Clement, Chairman, Mr. Wayne A. Johnston, Mrs. Frances B. Watkins. Also present were President David D. Henry, Director C. S. Havens of the Physical Plant, Mr. James J. Costello, Legal Counsel, Mr. Morris S. Kessler, Assistant Comptroller, and Mr. A. J. Janata, Secretary of the Board.

The Committee considered the following reports and recommendations submitted by the President of the University, and took the actions indicated.

**DEANSHIP OF COLLEGE OF FINE AND APPLIED ARTS  
AT CHICAGO UNDERGRADUATE DIVISION**

(1) The Vice-President for the Chicago Undergraduate Division recommends the appointment of Leonard J. Currie, presently Professor and Head of the Department of Architecture at Virginia Polytechnic Institute, as Professor of Architecture on indefinite tenure and Dean of the College of Fine and Applied Arts at the Chicago Undergraduate Division for one year beginning September 1, 1962, at an annual salary of \$20,000, on twelve months' service basis.

This appointment has been recommended after consultation with the senior staff of the Department of Architecture and other officers of the Chicago Undergraduate Division, and with representatives of departments in the College of Fine and Applied Arts at Urbana, and has been endorsed by the Dean of the Graduate College and the Executive Vice-President and Provost.

The Board of Trustees in January and February, 1961, approved recommendations relating to educational policies and plans for the organization of educational programs involved in the expansion of the Chicago Undergraduate Division into a degree-granting branch of the University, consistent with prior legislative authorization of the same. The initial educational program as approved by the Board at that time provides for the reorganization of the existing colleges and divisions into major administrative units for the new Congress Circle campus: Colleges of Liberal Arts and Sciences, Engineering, Commerce and Business Administration, Fine and Applied Arts; and Divisions of Education and Physical Education. Hence the appointment of Professor Currie as Dean is in line with implementation of an authorized program.

I recommend approval of the appointment.

On motion of Mrs. Watkins, this appointment was approved.

**CONTRACT WITH AGENCY FOR INTERNATIONAL DEVELOPMENT  
FOR UNIVERSITY OF ILLINOIS — FACULTY OF MEDICINE,  
CHIENGMAI HOSPITAL PROJECT**

(2) At its April 18, 1962, meeting, the Board of Trustees approved the above project and authorized development of a contract with regard thereto.

A contract with the United States of America, represented by the Agency

for International Development, and the University of Medical Sciences, of Bangkok, Thailand, covering the above project, has been negotiated as authorized and was executed on condition that it be specifically ratified by this Executive Committee of the Board of Trustees.

The Dean of the College of Medicine, the Vice-President at the Medical Center, Chicago, and the Legal Counsel recommend that the Executive Committee ratify the execution of the above-mentioned contract by the University.

I concur.

On motion of Mr. Johnston, this contract was ratified.

#### **LEASE OF PROPERTY AT 1014 LINCOLNSHIRE DRIVE, CHAMPAIGN**

(3) The National Warm Air Heating and Air Conditioning Association owns a residence at 1014 Lincolnshire Drive, Champaign, which has been used for research by the Department of Mechanical and Industrial Engineering on a project now completed. The Small Homes Council-Building Research Council desires to use this property for a study of electric heating, to be financed by the Edison Electric Institute. The National Warm Air Heating and Air Conditioning Association will lease this property and the research equipment installed in the building to the University at a rental of \$250 a month. The owner will pay taxes and insurance, and the University will pay for utilities and operating expenses.

The Dean of the College of Fine and Applied Arts and the Vice-President and Comptroller recommend lease of this property until June 30, 1963, with option of renewal until August 31, 1964, and a further option of renewal until June 30, 1965.

I concur.

The Executive Committee was authorized by a majority of the members of the Board, whose consent was secured individually in writing, to act on this recommendation, in accordance with the By-Laws of the Board.

On motion of Mrs. Watkins, this lease was authorized.

#### **CONTRACT FOR WALK CONSTRUCTION**

(4) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$13,132.60 in an existing contract with General Paving Company, Inc., Champaign, Illinois, for paving and improvement of campus streets and drives and construction of walks to include additional walk construction from the intersection of Green and Wright Streets, to connect to the walk improvements being constructed as part of the Illini Union addition.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

#### **CONTRACTS FOR CONSTRUCTION OF ANTENNA LABORATORY ADDITION TO ELECTRICAL ENGINEERING BUILDING**

(5) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for the construction of an antenna laboratory as a penthouse on the addition to the Electrical Engineering Building, now under construction, to provide special laboratory facilities, and for housing mechanical equipment for the building, the award in each case being to the lowest bidder:

General—Pathman Construction Co., Chicago.....	\$132 430
Base bid .....	\$ 98 880
Additive alternates .....	5 000
Service charge for supervision of other prime contracts assigned to general contractor	
Construction of eccosorb anechoic chamber (echo chamber).....	28 550
Electrical—G. L. Wilsky Downtown Electric, Urbana.....	12 155
Base bid .....	12 675
Less deductive alternate for work to be omitted due to construction of eccosorb anechoic chamber.....	—520
Plumbing—Nu-Way Plumbing Service, Inc., Chicago.....	6 986

Heating, Refrigeration, and Temperature Control—Ideal Heating Company, Chicago.....	14 444
Ventilating—Anderson and Litwack Company, Hillside.....	16 750
<i>Total</i> .....	<u>\$182 765</u>

It is further recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract price \$182,765.

It is further recommended that an agreement be entered into with Pathman Construction Company for the assignment of these other contracts for \$5,000, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor. (The general contractor has agreed to reduce this service charge to \$1,300, approximately 2½ per cent of the amount of the contracts assigned to him for supervision. However, the action awarding the contract should include the amount of the service charge as \$5,000, this being the bid submitted, with the understanding that a credit change order for \$3,700 will be issued simultaneously with the execution of the contract to reduce the actual service charge to \$1,300.)

A National Science Foundation grant of \$110,000 has been received for the construction of the antenna laboratory under the condition that it be matched by University funds of at least the same amount. Funds are available for the University's \$110,000 share of the cost from the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released by the Governor.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of bids received, copies of which are being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mrs. Watkins; No, none; absent, none.

#### ADDITION TO CONTRACT FOR CONSTRUCTION OF PENNSYLVANIA AVENUE RESIDENCE HALLS

(6) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$4,025.35 in the contract with Kuhne-Simmons Company, Inc., for the construction of the Pennsylvania Avenue Residence Halls to include steam and electrical connections to serve clothes dryers and extractors to be installed in the laundry rooms.

Funds are available in the project budget.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

#### ADDITION TO CONTRACT FOR CENTRAL FOOD STORES

(7) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$2,986.20 in the contract with the Felmley-Dickerson Company for changes and additions to the refrigeration system in the Central Food Stores Building.

Funds are available in the Maintenance Reserve of the Housing Division.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

#### PURCHASES

(8) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

I concur.

#### *Chicago Colleges and Divisions*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One continuous liquid flow monitor consisting of one flow detector, one dual channel spectrometer, one rate meter, one recorder, and one high-speed read-out and digital printer	Biological Chemistry	Packard Instrument Co., Inc., La Grange	\$11 275 00 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One photomicrographic camera and accessories	Dental Orthodontics	W. H. Kessel & Co., Chicago	\$ 4 406 90 delivered
One lot of laboratory equipment and supplies consisting of one incubator, two PH meters, one freeze-dry apparatus, one cryostat, one centrifuge and accessories, two balances, two sets of weights, two water baths, three microscopes, and 1,100 ounces of cover glasses	Medicine	Scientific Glass Apparatus, Elk Grove Village	7 984 30 net delivered
One operating microscope with accessories, to be used for eye surgery in the Department of Ophthalmology	Ophthalmology	W. H. Kessel & Co., Chicago	2 795 50 delivered
One pleoptophor	Ophthalmology	Alfred P. Poll, Inc., New York, N.Y.	2 970 00 delivered
One X-ray image amplifier	Radiology	Fred H. Lynk Co., Evanston	29 415 00 delivered and installed
One 16 mm. projector for use with the image amplifier			
One recess steam sterilizer 24 in. by 36 in. by 30 in.	Research and Educational Hospitals	Wilmot Castle Co., Rochester, N.Y.	13 868 00 delivered
One disc pump oxygenator for use in heart operations	Research and Educational Hospitals	Edward A. Olson Co., Inc., Ashland, Mass.	13 989 00 delivered
One lot of hospital equipment consisting of: 24 patient room side chairs 48 safety sides 4 triple panel screens 5 wheelchairs 2 commodes 4 examining tables 8 utility tables 12 examination lamps 6 hospital humidifiers 12 irrigator stands 12 linen hampers 6 utility carts	Research and Educational Hospitals	Hospital Equipment Corp., Chicago	8 290 70 delivered
One 11 in. by 17 in. offset press to be used as a central service for all departments at the Medical Center	Stenographic Service	Addressograph- Multigraph Corp., Chicago	5 534 84 delivered
Lease of one general purpose computer system to be installed at the Chicago Undergraduate Division	Vice-President's Office	International Business Machines Corp., Chicago	18 995 61

#### *Urbana-Champaign Departments*

Thirty-seven cameras, 35 mm., with 50 mm. f2.5 lens, case, adapter and retainer rings, two portra lenses, and flashgun	Agriculture Extension	Pfle's Camera Shop Inc., Springfield	\$8 269 56 f.o.b. delivered
Thirty-eight projectors, slide, automatic, with zoom lens, two extra rotary magazines and remote extension cord			
One graphotype No. 6481 and accessories	Agricultural Mailing Room	Addressograph- Multigraph Corp., Champaign	3 246 55 f.o.b. delivered
125,000 addressograph frames 150,000 addressograph plates 140,000 addressograph index cards Ten hand operated addressograph machines, Model 30	Agriculture Extension	Addressograph- Multigraph Corp., Champaign	5 813 30 f.o.b. delivered
One spectrophotometer with extreme wave length accuracy and reproducibility in the ultraviolet and visual range for research work by the Department of Animal Science in the field of nutritional biochemicals in ruminants	Animal Science	Perkin-Elmer Corp., La Grange	4 561 00 f.o.b. delivered
One centrifuge, refrigerated, high speed, with large capacity rotor for study of hormones in blood and tissue of sheep	Animal Science	Ivan Sorvall, Inc., Norwalk, Conn.	2 522 80 f.o.b. delivered
24,000 square feet asphalt saturated matting, $\frac{3}{8}$ in. by 36 in. by 15 ft., to repair flood damage of surfacing material at the radio telescope of the Vermilion River Observatory, Danville	Astronomy	Philip Carey Manufacturing Co., Bellwood	3 267 84 f.o.b. delivered



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Cleaning and painting the exterior of eleven buildings at the University of Illinois-Willard Airport	Institute of Aviation	C. L. Lindsey, Urbana	\$ 3 692 00 f.o.b. job site
One hydraulic press, 50 ton, 4 post, with 8 ton knockout, and complete set of tooling for research by the Department of Ceramic Engineering in the forming of a variety of ceramic oxides by dry or wet pressing techniques	Ceramic Engineering	Denison Engineering Division, American Brake Shoe Co., Columbus, Ohio	14 301 00 f.o.b. Columbus, Ohio
One lot of laboratory apparatus to be used as stock in the General Chemical Storeroom (this is estimated to be a six-month supply)	General Chemical Stores	Schaar Scientific Co., Chicago	9 713 29 f.o.b. delivered
314 items of laboratory chemicals to be used as stock in the General Chemical Stores for the fall and winter term of 1962-63	General Chemical Stores	Mallinckrodt Chemical Works, St. Louis, Mo. J. T. Baker Chemical Co., Chicago General Chemical Division, Allied Chemical Corp., Chicago Fisher Scientific Co., Chicago Quinton Co., Division of Merck & Co., Inc., Rahway, N.J. F. P. Jay Chemicals, Waukesha, Wis.	6 703 73 5 609 04 5 518 20 1 634 42 1 135 66 493 58 f.o.b. delivered
One electrophoresis apparatus for research in the separation of compounds into their basic ingredients, especially radioactive intermediates by the biochemistry division of the Department of Chemistry and Chemical Engineering	Chemistry and Chemical Engineering	Brinkmann Instruments, Inc., Great Neck, N.Y.	4 200 00 f.o.b. delivered
One multichannel pulse height analyzer (400 channels), and compatible nuclear radiation instrumentation, for transistorized pulse counting and spectrometry	Chemistry and Chemical Engineering	Radiation Instrument Development Lab., Inc., Northlake	24 712 00 f.o.b. delivered
Rent (with option to purchase) for one year period: One goniometer assembly for spectrograph, motor driven, arranged to operate between pre-set limits, up or down scale at various speeds, with cathode follower One detecting system for Molybdenum K alpha radiation consisting of one each scintillation counter, electronic circuit panel, and portable chart recorder	Chemistry and Chemical Engineering	Philips Electronic Instruments, Chicago	3 667 00 f.o.b. Mt. Vernon, N.Y.
One automatic polarimeter, three cells, with one logarithmic recorder and range switch attachment for use in the study of the kinetics of racemizations by the Department of Chemistry and Chemical Engineering	Chemistry and Chemical Engineering	E. H. Sargent & Co., Chicago	5 265 00 f.o.b. delivered
One testing machine, 10,000 lb. capacity, with tension and compression cells and wedge action grips; the equipment will be used in research on metals, plastics, wood, and adhesives by the Department of Civil Engineering	Civil Engineering	Tinius Olsen Testing Machine Co., Willow Grove, Pa.	11 950 00 f.o.b. delivered
One traffic movement recording assembly consisting of radar sensing unit, speed and impulse translator, density computer and classifier, all in table top rack with one portable seven-pen recorder	Civil Engineering	Automatic Signal Division, Laboratory for Electronics, Inc., East Norwalk, Conn.	3 990 00 f.o.b. delivered
One traffic monitoring camera system including camera, radar speed meter, position timing mechanism, and roadside positioning equipment; providing rapid frame photography with split image record of the observed vehicle and its speed and headway measurements, plus five-day training course	Civil Engineering	Rex Metal-Craft, Inc., Indianapolis, Ind.	3 500 00 f.o.b. Indianapolis, Ind.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One tube, mass spectrometer type, ZS8001	Coordinated Science Laboratory	General Electric Co., Schenectady, N.Y.	\$ 2 945 00 f.o.b. Schenectady, N.Y.
One magnet, 5.5 kilogauss			
One silo, size 18 ft. by 40 ft., including foundation and concrete floor to be furnished and erected at the Lincoln Avenue Dairy Barn, Urbana	Dairy Science	Madison Silos, Division of Martin Marietta Corp., El Paso	2 675 00 f.o.b. delivered and erected
1,400 connectors, taper pin printed circuit, with sleeve, 54-contact special	Digital Computer Laboratory	Viking Industries, Inc., Canoga Park, Calif.	15 929 20 f.o.b. Canoga Park, Calif.
2,800 keys, polarizing for above			
One plotter, impedance, automatic, 300-2,400 MC, with 50 ohm type N connectors and shorts, one four-terminal feed unit, one pair each two-terminal and four-terminal measuring cables	Electrical Engineering	Rohde & Schwarz Sales Co., Inc., Passaic, N.J.	6 020 00 f.o.b. delivered
Two card punch, printing, type 026, with error corrective feature and alternate program feature	Electrical Engineering	International Business Machines Corp., Springfield	9 044 00 f.o.b. Poughkeepsie, N.Y.
One card punch, sorter, type 082, with sort suppress			
Two servo multipliers incorporating two ten-turn dual potentiometers	Electrical Engineering	Electronic Associates, Inc., Long Branch, N.J.	2 567 00 f.o.b. delivered
Two magnetic oscillographs	Electrical Engineering	Hathaway Instruments, Inc., Denver, Colo.	5 700 00 f.o.b. Denver, Colo.
Power supply equipment as follows: Five storage modules One modification kit	Electrical Engineering	Packard-Bell Computer Corp., Chicago	6 750 00 f.o.b. Los Angeles, Calif.
One countercurrent fractionator to be used in research on the separation of complex organic compounds in the field of lipid oxidation by the Department of Food Technology	Food Technology	E-C Apparatus Corp., Swarthmore, Pa.	4 300 00 f.o.b. delivered
One medical table	Health Services	Daniels Surgical & Medical Supplies, Chicago	2 814 50 f.o.b. delivered
One ENT chair, motor operated			
One rest and relief stool			
One treatment cabinet			
Office, conference rooms, and reception room furniture for the Housing Division offices in the new Student Services Building: 86 chairs with arms 16 side chairs 9 swivel chairs 4 desks 2 typing tables, 54 in. by 18 in. 2 tables, 42 in. by 108 in. 1 table, boat-shaped, 42 in. by 96 in. 1 table, 78 in. by 30 in. 1 table, 60 in. by 33 in. 2 tables, 24 in. by 24 in. 3 storage cabinets	Housing Division	S. Buckman Furniture & Supply Co., Spring Valley	7 604 48 f.o.b. delivered
Furniture for 32 floor lounges in the Pennsylvania Avenue Residence Halls and furniture for the Orchard Downs housing units to convert 25 units to married student apartments	Housing Division	S. Buckman Furniture & Supply Co., Spring Valley	60 044 02 f.o.b. delivered
Furniture for the dining rooms and recreation rooms in the Pennsylvania Avenue Residence Halls: Dining rooms (Base Bid V) 700 chairs 8 tables, 60 in. round 80 tables, 36 in. x 96 in. Recreation rooms (Base Bid VI) 29 chairs 10 tables 2 settees	Housing Division	S. Buckman Furniture & Supply Co., Spring Valley (Group V) Gilbert A. Force Co., Chicago (Group VI)	25 335 07 1 637 45 (26 972 52) f.o.b. delivered
This furniture was selected by Mr. C. E. von Ammon, the interior decorator for the buildings.			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furniture for the four formal lounges, four head resident apartments, two study rooms, and one general waiting room in the Pennsylvania Avenue Residence Halls:	Housing Division	Office Equipment Co. of Chicago, Chicago	\$29 996 01
194 chairs, upholstered		Gilbert A. Force Co., Chicago	1 087 88
98 tables, occasional		Marshall Field & Co., Chicago	7 777 04
12 settees, upholstered		Burrows Co., Chicago	860 00
23 sofas, upholstered		L. B. Herbst Corp., Chicago	757 80
4 bed and sofa combinations			(40 478 73)
4 beds, Hollywood			f.o.b.
4 desks			delivered
4 mirrors, framed			
4 chests			
Rugs for unit and public lounges in Pennsylvania Avenue Residence Halls, colors: 117C and two tones of beige, 40 oz. padding, four rugs and pads 14 ft. 4 in. by 31 ft., four rugs and pads 21 ft. 8 in. by 32 ft. 2 in., as specified by the interior decorator	Housing Division	DeSitter Brothers, Chicago	12 657 00 f.o.b. delivered
250 dozen trays, cafeteria, fiber glass, 14 in. by 18 in. beige swirl color—part of initial equipment at the Pennsylvania Avenue Residence Halls and stock at the Central Food Stores	Housing Division	Restaurant Equipment & Supply Co., Champaign	6 225 00 f.o.b. delivered
Steel office and reception room furniture for the Illini Union Building Addition	Illini Union	All-Steel Equipment, Inc., Aurora	11 083 90 f.o.b. delivered and installed
China to equip the banquet service and cafeteria of the Illini Union Addition and replace the china in use in the banquet service and cafeteria of the present building:	Illini Union	E. A. Hinrichs & Co., Chicago	40 079 79 f.o.b. delivered
Carnival pattern			
1,050 dozen plates			
375 dozen cups			
375 dozen saucers			
375 dozen fruit dishes			
180 dozen soup nappies			
180 dozen grapefruit bowls			
120 dozen ice cream shells			
Westwood pattern			
1,461 dozen plates			
375 dozen cups			
375 dozen saucers			
225 dozen fruit dishes			
36 dozen bouillon cups			
36 dozen jelly dishes			
24 dozen ice cream shells			
22 dozen sauce boats			
40 dozen sugar bodies and covers			
18 dozen creamers			
Room status system to be furnished and installed in Illini Union Building Addition	Illini Union	Room Service, Inc., Jackson, Mich.	11 958 00 f.o.b. delivered and installed
<i>Zhurnal Ministerstva Narodnogo Prosveshcheniya</i> , 1834-1917, reprint edition	Library	Graphic Book Export Co., Graz, Austria	5 850 00
Official United States Air Force uniform items for Air Force R.O.T.C. students: 1,600 pairs of black, dress, low quarter shoes	Military Property Custodian	Clothing Sales Store, Chanute Air Force Base, Rantoul	10 840 00 f.o.b. Chanute Air Force Base
3,000 pairs of black, cotton, stretch socks			
100 blue neckties			
100 blue flight wool caps			
50 belt buckles			
One electrical discharge machining tool and matching power supply with longitudinal and cross slide table traverse calibrated to 0.001 in.	Mining, Metallurgy, and Petroleum Engineering	Easco Products, Ypsilanti, Mich.	9 210 00 f.o.b. delivered
One bell jar vacuum coating system to evaporate metals and carbons for research in metallurgy under the electron microscope	Mining, Metallurgy, and Petroleum Engineering	NRC Equipment Corp., Newton Highlands, Mass.	7 150 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One recorder, x-y, input voltages 5 mv to 500 mv, accuracy 0.2 per cent of full scale, rack mount	Mining, Metallurgy, and Petroleum Engineering	F. L. Moseley Co., c/o Crossley Associates, Chicago	\$ 2 650 00 f.o.b. Pasadena, Calif.
252 auditorium seats with folding tablet arms and upholstered seats and backs installed in 151 Electrical Engineering Building	Physical Plant Storeroom	Franklin-Lee Co., Chicago	7 182 00 f.o.b. delivered and installed
3,000 ft. chain link fencing, number 9 gauge wire, galvanized after fabrication, with gates, to enclose athletic fields at Huff Gymnasium and Women's Gymnasium areas	Physical Plant Storeroom	Hohulin Brothers, Goodfield	5 075 00 f.o.b. delivered and installed
Sixty sheets Muntz metal, cold rolled, light annealed, for absorption and shielding of radioactivity in the Physics High Energy Program of Spark Chambers	Physics	Chase Metal Service Division, Chicago	7 205 90 f.o.b. delivered
One slow-fast coincidence system, resolving time adjustable 0-180 nanoseconds, delay adjustable over a 0.3 microsecond range, base line and window width 0-10 volts; system includes chassis, power supplies, three fast-slow coincidence units, patch cords and five plug-in units	Physics	Cosmic Radiation Labs., Inc., Bellport, Long Island, N.Y.	4 710 00 f.o.b. delivered
Four power supplies for teaching laboratories, variable voltage 18-36 V., 250 amps d.c.; accuracy regulation plus or minus 5 per cent; voltage ripple 1 per cent rms; recovery time 0.1 second; input voltage 208 V., 4 wire, 3 ph., 57-63 cycles	Physics	Christie Electric Corp., c/o Kenneth W. Meyers Co., Chicago	7 440 00 f.o.b. delivered
One multichannel analyzer with the following specifications: 400 channels, $10^6$ counts per channel, 8 subgroups, 4 m.c. digital rate, 4 detector multiscaler mode, d.c. input to a.d.c. for Mossbauer experiments, linear and log readout, tally tape readout and readin, and spectrum stripping	Physics	Radiation Instrument Development Laboratory, Inc., Melrose Park	19 909 00 f.o.b. delivered
One thallium activated sodium iodide crystal in a close pack assembly with three phototubes in individual magnetic shields included as part of the assembly	Physics	Harshaw Chemical Co., Cleveland, Ohio	5 856 00 f.o.b. delivered
Machining three extremely pure alloy bars of aluminum and silver to determine the binding energy between a monovacancy and a silver atom in aluminum	Physics	Richardson Manufacturing Co., Washington Park Gardens, Springfield	3 600 00 delivered
One film reader, semiautomatic for measuring events on 35 mm. film; must handle three 100 ft. rolls; viewing screen with magnification of 20; cross hair position to appear on screen movable by hand, cross hair located with a resolution of one micron on the film with accuracy of plus or minus 5 microns full scale and positioned in digitized form for card punch; motorized controlled film speed between 0 and 1 ft. per second; 1 combination vacuum pump and compressor; plus engineering services	Physics	Raymond Atchley Division, American Brake Shoe Co., Los Angeles, Calif.	19 250 00 f.o.b. Los Angeles, Calif. (freight allowed)
Two automatic film scanning systems, each to have three projectors for 100 to 400 ft. rolls of 35, 50, or 70 mm. film, automatic control of each film from speeds of one cm. every four seconds up to 100 ft. in a few minutes	Physics	Officine Prevost, Milano, Italy	5 360 00 f.o.b. Genoa, Italy
Two toolmakers microscope stages including micrometer drums and linear scales to be used in connection with a special film reader, for three dimensional film reading and analysis of particle tracks, and accurate measurement of positions of points on exposed 35 mm. films	Physics	Gaertner Scientific Corp., Chicago	6 200 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Three oscilloscopes, general purpose, DC-15MC, rise-time 23 microseconds; calibrated sweep range 0.2 microsecond/cm to 2 seconds/cm	Physics	Tektronix, Inc., Park Ridge	\$ 2 625 00 f.o.b. Beaverton, Ore.
Five power supplies, 600 to 1500 volts DC	Physics	Radiation Instrument Development Laboratory, Inc., Melrose Park	11 727 00 f.o.b. delivered
Five analyzers, single channel, 0.1 to 10 volts			
Five amplifiers—discriminators			
Five scaler-timers, seven decade			
Five power supplies, low voltage			
Five preamplifiers			
Four mercury-pulse generators, 0-100 volts			
Yearly affiliation fee for educational television programming service for the period of July 1, 1962, through June 30, 1963, to include videotapes, film and television recordings for re-broadcast on WILL-TV, Channel 12	Television- Motion Pictures	National Educational Television and Radio Center, New York, N.Y.	7 500 00 f.o.b. shipping point
Print and bind 1,000 copies of <i>The Ecology of North America</i> , by Victor E. Shelford, trim size 6 $\frac{3}{4}$ in. by 10 in., approximately 576 pages per copy	University Press	Phillips Bros. Inc., Springfield	4 673 85 f.o.b. delivered
One spectrophotometer quartz optics, 135 to 2500 mu range, and accessories (for research into the biochemistry of infectious agents by the College of Veterinary Medicine)	Veterinary Medicine	W. H. Kessel & Co., Chicago	5 196 00 f.o.b. delivered

On motion of Mrs. Watkins, these purchases were authorized.

#### CONTRACT FOR AIR CONDITIONING IN ENVIRONMENTAL ROOM — 409 GREGORY HALL

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$5,500 to F. R. Inskip and Company, Champaign, Illinois, the lowest bidder, for installation of air conditioning equipment and furnishing and installing a dehumidifier in the environmental room in 409 Gregory Hall.

Funds are available in the Physical Plant budget from operation and maintenance reserves.

I concur.

On motion of Mr. Johnston, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mrs. Watkins; no, none; absent, none.

#### CONTRACT FOR CONSTRUCTION OF COLLEGE OF EDUCATION BUILDING

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts for the construction of the College of Education Building, the award in each case being to the lowest bidder:

General — Felmley-Dickerson Company, Urbana.....	\$1 852 400
Base bid .....	\$1 807 000
Additive alternate for service charge for supervision of other prime contracts assigned to general contractor.....	27 000
Additive alternates for changes in part of second floor ceiling areas and walls on first and third floors.....	18 400
Electrical — Leverenz Electric Company, Inc., Danville.....	226 353
Base bid .....	225 165
Additive alternates for changes in electrical fixtures on second floor and wiring for television and intercommunication system .....	7 196
Deductive alternates for changes in light fixtures and deleting devices in covers of motor starters in motor control centers.....	—6 008
Plumbing — Nu-Way Plumbing Service, Inc., Chicago.....	106 800

Heating and Air Conditioning—Healy Plumbing and Heating Company, St. Paul, Minnesota.....			246 800
Base bid .....	233 700		
Additive alternate for graphic control center.....	13 100		
Ventilating—R. H. Bishop Company, Champaign.....		236 280	
Base bid .....	236 580		
Deductive alternates for changes in diffusers.....	— 300		
Elevator—Otis Elevator Company, Chicago.....		63 689	
Base bid .....	35 337		
Additive alternate for passenger elevator in north shaft.....	28 352		
Total.....			\$2 732 322

It is further recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract price \$2,732,322.

It is further recommended that an agreement be entered into with Felmley-Dickerson Company for the assignment of these other contracts for \$27,000 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available from state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including the schedule of bids received, copies of which are being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mrs. Watkins; no, none; absent, none.

#### CONTRACTS FOR CONSTRUCTION OF PARKING LOTS

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for construction of parking lots as follows:

For a parking lot east of the Illini Union—Champaign Asphalt Company, Champaign.....	\$ 25 000
For parking lots at the Assembly Hall—Parro Construction Corporation, Urbana.....	198 800
Base bid, including paving and necessary construction for the two north quadrants.....	\$88 000
Additive alternate for paving and necessary construction for the southeast quadrant.....	48 300
Additive alternate for paving and necessary construction for the southwest quadrant excluding the house and school which will not be vacated immediately.....	34 700
Additive alternates for lighting for the four quadrants..	27 800

Funds for these projects are available from the following sources: for the parking lot east of the Illini Union, from the Illini Union Reserve; for parking lots at the Assembly Hall, from the sale of revenue bonds issued to finance the construction of this building.

It is further recommended that the University of Illinois Foundation be requested to award a contract to the Champaign Asphalt Company, Champaign, for construction of a parking lot at 601, 603, and 605 East Healey Street, Champaign, as follows:

Base bid .....	\$30 000
Additive alternate to replace the existing broken sidewalks on Sixth and Healey Streets .....	775
Additive alternate for the removal of stumps between the curbs and side- walks on Sixth and Healey Streets.....	40
Total.....	\$30 815

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mrs. Watkins; no, none; absent, none.

#### CHANGE IN CONTRACTS FOR CONGRESS CIRCLE CAMPUS

(12) At its meetings of May 24 and June 20, 1962, the Board of Trustees authorized the Executive Committee to act for the Board in negotiations with contractors for high temperature water boilers, hot water pumps and erection, for refrigeration equipment, for condenser water and chilled water circulating pumps, for cooling tower, and for switchgear and electrical equipment for the heating plant, at the Congress Circle Campus, for extensions of the periods within which their contracts may be terminated. All contractors have now agreed to extensions of said periods from September 15 to December 15, 1962, provided that shipping dates and other terms and conditions of the contracts remain unchanged.

The Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel recommend that the Executive Committee, acting for the Board, approve these changes in the awards and contracts, and, in consideration therefor and in fairness to the contractors, authorize the substitution of bid bonds for the certified checks from these contractors, now being held as bid deposits.

I concur.

On motion of Mr. Johnston, this change in the contracts was authorized.

#### EXECUTIVE SESSION

The regular order of business before the Committee having been concluded, an executive session was requested, and was ordered by the Chairman, for consideration of an informal report from the Director of the Physical Plant on the current status of negotiations for certain property acquisitions.

The report was for information and consultation. No action was requested or taken.

On motion of Mr. Johnston, the Committee adjourned.

A. J. JANATA  
*Clerk*

WAYNE A. JOHNSTON  
FRANCES B. WATKINS  
HOWARD W. CLEMENT  
*Chairman*

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**  
The Board took up consideration of the following reports and recommendations from the President of the University.

#### PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

Executive Vice-President and Provost Lanier also reported on the current enrollment in the University as of September 18, 1962.

#### AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded to the following candidates who passed the standard written examination given in May, 1962, and who have fulfilled all other legal requirements under Sections 1, 2, and 3 of the Illinois Accountancy Act of 1943 as amended:

- BERNARD ANGELO AFFETTO, Chicago, Illinois  
 ALBERT JOHN ALLEN, Decatur, Illinois  
 THOMAS RALPH ANDERSON, Aurora, Illinois  
 KEITH GENE ASHER, Kankakee, Illinois  
 JO ANNE BALLAUER, Chicago, Illinois  
 JON PAUL BARSANTI, Evanston, Illinois  
 DONALD PETER BARTA, Chicago, Illinois  
 KEITH PHILLIPS BELL, Oak Park, Illinois  
 ARTHUR HENRY BENING, Rolling Meadows, Illinois  
 BURRELL BERRY, JR., Chicago, Illinois  
 PAUL VINCENT BERWICK, Chicago, Illinois  
 BRADFORD JOHN BIGALKE, Marengo, Illinois  
 EDWIN ALLEN BORDEN, Elmhurst, Illinois  
 LLOYD ALAN BYERHOF, Chicago, Illinois  
 LOGAN WOODROW CADWALADER, Park Forest, Illinois  
 MILBURN DAVID CAIN, Antioch, Illinois  
 ARTHUR MARVIN CALLISTEIN, Chicago, Illinois  
 DONALD BRUCE CAMPBELL, Chicago, Illinois  
 CLARK GILBERT CARPENTER, Chicago, Illinois  
 ANTHONY RICHARD CAZOLAS, Chicago, Illinois  
 DOUGLAS CHARLES CHESTER, Lincolnwood, Illinois  
 RICHARD THOMAS CLARK, Elmhurst, Illinois  
 RALPH ALEXANDER COBITZ, Chicago, Illinois  
 STANFORD JACK COLE, Chicago, Illinois  
 LEWIS MORTON COLLENS, Urbana, Illinois  
 JOSEPH FRANCIS CRAVEN, Chicago, Illinois  
 THOMAS JOSEPH CURLEY, JR., Oak Park, Illinois  
 WELDON KENNETH DANIELSON, La Grange Park, Illinois  
 JEAN JOSLYN DAVIDSON, River Forest, Illinois  
 DAVID ALFRED DEDERICKS, Chicago, Illinois  
 BERNARD ROBERT DOBRIN, Chicago, Illinois  
 DERALD CLARENCE DOEHRING, Mattoon, Illinois  
 WILLIAM JOSEPH DOLAN, JR., Des Plaines, Illinois  
 THOMAS WILLIAM DOUDERA, Decatur, Illinois  
 GERALD MICHAEL DRISCOLL, Oak Park, Illinois  
 JOSEPH GEORGE EISELE, Park Forest, Illinois  
 THOMAS LAWRENCE EOVALDI, Benton, Illinois  
 ROGER LEE FELTEN, Chicago, Illinois  
 JANICE JEAN FIELDS, Champaign, Illinois  
 RICHARD MAYER FISCHMAR, Chicago, Illinois  
 RALPH MYRON FOLSOM, Berwyn, Illinois  
 JOHN WILLIAM FRANK, Forest Park, Illinois  
 WILLIAM ROBERT GALIS, Des Plaines, Illinois  
 RICHARD H. GALLAGHER, Broadview, Illinois  
 JAMES BERNARD GARDNER, Chicago, Illinois  
 JEWELL MERVIN GARRISON, Harvey, Illinois  
 WILLIAM JOHN GAYNOR, Evergreen Park, Illinois  
 EVELYN FRANCES GIECK, Aurora, Illinois  
 MYRON NORMAN GOLDSTEIN, Chicago, Illinois  
 HOWARD GORDON, Skokie, Illinois  
 DELORES MARGARET GRANITE, Melrose Park, Illinois  
 MORRIS LARNED GREELEY III, Chicago, Illinois  
 DONALD ALBERT HAAS, Libertyville, Illinois  
 DONALD TERRY HABBESTAD, Chicago, Illinois  
 KENNETH PRATT HANDY, Glen Ellyn, Illinois  
 WILLIAM PUTMAN HAUWORTH II, Evanston, Illinois  
 STEPHEN VAN HILL, Evanston, Illinois  
 JOHN FRANCIS HOULIHAN, Oak Lawn, Illinois  
 RONALD DUANE JEFFRIS, Gays, Illinois  
 CARL EDWARD JOHNSON, JR., Plainfield, Illinois  
 JOHN RANDALL JOHNSON, Marion, Illinois  
 MILTON CLARK JOHNSON, La Grange Park, Illinois  
 ROBERT ALAN JOHNSON, Chicago, Illinois  
 HERBERT LEE JUSTINGER, Elmhurst, Illinois  
 ERNEST WALTER KARLENZIG, Chicago, Illinois  
 DAVID ANDREW KELLY, Chicago, Illinois  
 THOMAS RAY KELSHEIMER, Urbana, Illinois  
 EDWARD JOHN KESTLER, Chicago, Illinois  
 DONALD ERVIN KIESO, Urbana, Illinois



- RUSSELL STANLEY KOSS, Chicago, Illinois  
 FRANK JAY KOSTER, Oak Park, Illinois  
 CARL WILLIAM KRELL, Springfield, Illinois  
 HARVEY BURTON LABKO, Chicago, Illinois  
 GAYLEN NEVOY LARSON, Des Plaines, Illinois  
 MAURICE ROY LAWRENCE, Skokie, Illinois  
 RICHARD DANIEL LESSNER, Chicago, Illinois  
 WILLIAM LOUIS LEVY, Chicago, Illinois  
 MILO ODELL LIA, Elmwood Park, Illinois  
 LESTER LOPATA, Chicago, Illinois  
 TERRENCE JAMES MACLEAN, Niles, Illinois  
 GERARD JOHN MADER, Skokie, Illinois  
 JEROLD SHAE MALINA, Chicago, Illinois  
 RALPH JOSEPH MANDARINO, JR., Oak Park, Illinois  
 ROBERT MANN, Skokie, Illinois  
 JAMES EDWARD MCAULEY, Chicago, Illinois  
 GEORGE FREDERICK MCDOWELL, Rockford, Illinois  
 DONALD DAVID MCLEAN, Chicago, Illinois  
 ROBERT MEDNICK, Chicago, Illinois  
 CHERIE LYNN MERTENS, Arlington Heights, Illinois  
 AARON IRVING MICHAELSON, Chicago, Illinois  
 GERALD LINUS MIHLBACHLER, Springfield, Illinois  
 MARY PENELOPE MITCHELL, Chicago, Illinois  
 GEORGE EUGENE MOELLER, Park Forest, Illinois  
 SEYMOUR NAGORSKY, Chicago, Illinois  
 WALTER FRANK NELSON, Rockford, Illinois  
 EDWARD CHARLES NEMERGUT, Chicago, Illinois  
 JOHN LEONARD NORTHROP, JR., Berwyn, Illinois  
 HAROLD WILLIAM PETERSON, Berkeley, Illinois  
 ROBERT JOHN PETERSON, Chicago, Illinois  
 MARVIN HARRY PILCHEN, Chicago, Illinois  
 RAYMOND EDWIN POWERS, JR., Hillside, Illinois  
 ROBERT KRAUS REGAL, Chicago, Illinois  
 ROBERT THOMAS REHWALD, Urbana, Illinois  
 SHELDON REITMAN, Chicago, Illinois  
 EDWARD LOUIS ROSEN, Lincolnwood, Illinois  
 RONALD JOEL ROTHMAN, Niles, Illinois  
 JOHN RUSSELL ERSKINE RUHL, Evanston, Illinois  
 JOHN MORTON RUTHERFORD, Glen Ellyn, Illinois  
 RICHARD SIDNEY RUTTENBERG, Chicago, Illinois  
 DARRELL EDWARD RUTTER, Lombard, Illinois  
 MICHAEL M. SACHS, Chicago, Illinois  
 THEODORE RAPHAEL ST. LEGER, JR., Chicago, Illinois  
 JACQUELINE BARBARA SANDERS, Chicago, Illinois  
 HERBERT MARSHALL SCHAFFNER, Chicago, Illinois  
 DAVID YIGAL SCHWARTZ, Chicago, Illinois  
 PATRICK JOSEPH SCOTT, Chicago, Illinois  
 ROBERT NEIL SCOTT, Rockford, Illinois  
 EDWARD FRANCIS SHEEHAN, Peoria, Illinois  
 BARRY JOEL SHERE, Chicago, Illinois  
 DONALD LEE SIMANDL, Lyons, Illinois  
 MELVIN DAVID SKOLNIK, Chicago, Illinois  
 GEORGE SAMUEL SMITH, Hazelcrest, Illinois  
 THOMAS GIBSON SMITH, Palatine, Illinois  
 DONALD EDWARD SODARO, Evanston, Illinois  
 JACK FRANCIS SPENCER, Chicago, Illinois  
 CHARLES ALBERT STEWART, Villa Park, Illinois  
 RONALD EARLE STONE, River Forest, Illinois  
 MELVYN ROY STRAUSS, Chicago, Illinois  
 JAMES EDGAR STURBYVIN, Champaign, Illinois  
 GERARD ARTHUR SWICK, Park Ridge, Illinois  
 JERRY ROGERS THALL, Chicago, Illinois  
 HOWARD ELLSWORTH THOMPSON, Elmhurst, Illinois  
 JOSEPH ERNEST TOMLINSON, Sycamore, Illinois  
 WARREN LEONARD TRAXEL, Chicago, Illinois  
 JOHN MICHAEL TUCKER, Champaign, Illinois  
 DENNIS PETER VAN MIEGHEM, Chicago, Illinois  
 RONALD JOSEPH VAN THYNE, Champaign, Illinois  
 CORNELIUS VERHOOG, Park Forest, Illinois  
 EDWARD GARY VICTOR, Chicago, Illinois  
 WILBERT EDWIN VIRNALA, Chicago, Illinois  
 NUGENT JAMES VITALLO, Chicago, Illinois

JULIAM AUGUST VOSS, JR., Naperville, Illinois	ALFRED GENE WEINSHEIM, Evanston, Illinois
ROBERT LESLIE WAINWRIGHT, Chicago, Illinois	RALPH PAUL WILLE, Chicago, Illinois
DOROTHY MARILYN WARGO, Chicago, Illinois	FREDERICK DORR WOLF, Northfield, Illinois

The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
RONALD ALTMAN	Brooklyn, New York	New York
DONALD EUGENE DEBURN	Davenport, Iowa	Iowa
MERLE HENRY GOULD	Newburgh, Indiana	Indiana
ORVILLE JOHN HIETPAS	Chicago, Illinois	Wisconsin
DONALD EUGENE KNAPP	Arlington Heights, Illinois	District of Columbia
PETER M. KOPKOWSKI	Oak Lawn, Illinois	Michigan
JAMES EDWIN MEREDITH, JR.	Strafford, Pennsylvania	Pennsylvania
THOMAS RICHARD PRINCE	Evanston, Illinois	Mississippi
EILEEN LOTS F. WHITTED	Algonquin, Illinois	Wisconsin
LAWRENCE ZALUSKY	Skokie, Illinois	District of Columbia

I concur.

On motion of Mr. Hughes, these certificates were awarded.

#### APPOINTMENTS TO THE FACULTY

(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. OLIVER G. ABERETH, Assistant Professor of Mathematics, beginning September 1, 1962, at an annual salary of \$7,500 (D).
2. CYRIL J. ADCOCK, Visiting Associate Professor of Psychology, for the first semester, 1962-63, at a salary of \$4,750 (G).
3. NICHOLAS AMBRASEYS, Visiting Associate Professor of Civil Engineering, for the second semester, 1962-63, at a salary of \$5,000 (E).
4. KONRAD BLEULER, Visiting Professor of Physics, for three months from September 20, 1962, at a salary of \$3,500 (G).
5. OSCAR G. BROCKETT, Visiting Professor of Speech and Theatre, for the second semester, 1962-63, at a salary of \$6,000 (E).
6. WILLIAM J. CAMPBELL, Visiting Associate Professor in the Bureau of Educational Research, for the first semester, 1962-63, at a salary of \$5,500 (E).
7. D. LINCOLN CANFIELD, Visiting Professor of Spanish, for the second semester, 1962-63, at a salary of \$7,000 (E).
8. JEAN MAURICE CARDINET, Visiting Associate Professor of Psychology and in the Bureau of Educational Research, beginning September 1, 1962, at an annual salary of \$11,000 (DY).
9. ROSALIND D. CARTWRIGHT, Associate Professor of Psychology, College of Medicine, beginning September 1, 1962, at an annual salary of \$11,500 (DY).
10. JOHN G. CHALTAS, Assistant Professor of Education, beginning September 1, 1962, at an annual salary of \$8,200 (D).
11. SAMUEL DuBOIS COOK, Visiting Professor of Political Science, for the second semester, 1962-63, at a salary of \$5,000 (E).
12. ELSIE N. CROUTHAMEL, Assistant Professor of Home Economics, beginning September 1, 1962, at an annual salary of \$8,800 (DY).
13. PETER K. DAI, Assistant Professor of Civil Engineering, beginning September 1, 1962, at an annual salary of \$6,500 (D).
14. BRUCE L. DOUGLAS, Assistant Professor and Coordinator of Oral Medicine, College of Dentistry, beginning September 1, 1962, at an annual salary of \$13,500 (DY).

15. JOHN A. EASLEY, JR., Visiting Associate Professor of Education, University High School, beginning September 1, 1962, at an annual salary of \$10,000 (D).
16. STERLING C. ELLSWORTH, Clinical Counselor with rank of Assistant Professor, Student Counseling Service, beginning July 23, 1962, at an annual salary of \$7,950 (DY).
17. JERRY ALAN FODOR, Visiting Assistant Professor of Philosophy in the Institute of Communications Research, beginning September 1, 1962, at an annual salary of \$8,250 (D).
18. JOHN W. GRAY, Assistant Professor of Mathematics, beginning September 1, 1962, at an annual salary of \$8,500 (B).
19. PEARL MAYO GORE, Visiting Assistant Professor of Psychology, beginning September 1, 1962, at an annual salary of \$7,000 (D).
20. KARL A. GSCHNEIDNER, JR., Research Assistant Professor of Physics, beginning September 1, 1962, at an annual salary of \$10,000 (DY).
21. GERMAN GURFINKEL, Visiting Assistant Professor of Civil Engineering, beginning September 1, 1962, at an annual salary of \$8,100 (D).
22. WOLFGANG R. G. HAKEN, Visiting Professor of Mathematics, beginning September 1, 1962, at an annual salary of \$12,000 (D).
23. DONALD D. HANSON, Associate Professor of Architecture, beginning September 1, 1962, at an annual salary of \$11,000 (B).
24. E. HARNIK, Visiting Research Assistant Professor of Electrical Engineering, beginning September 1, 1962, at an annual salary of \$9,000 (DY).
25. LARRY R. HOFFMAN, Assistant Professor of Botany, beginning September 1, 1962, at an annual salary of \$6,500 (B).
26. FREDRICK J. HOLHUBNER, Assistant Professor and Assistant State Leader of Farm Advisers, Cooperative Extension Service in Agriculture and Home Economics, beginning September 1, 1962, at an annual salary of \$9,750 (DY).
27. CHARLES W. HUVER, Assistant Professor of Anatomy, College of Medicine, beginning September 1, 1962, at an annual salary of \$9,000 (DY).
28. MORRIS KANTOR, Visiting Professor of Art, for the second semester, 1962-63, at a salary of \$7,000 (E).
29. ISABEL M. KELLOGG, Assistant Professor of Occupational Therapy, College of Medicine, for nine months from September 1, 1962, on three-fourths time, at a salary of \$4,781 (G75).
30. BLAIR KLING, Assistant Professor of History, beginning August 1, 1962, at an annual salary of \$7,500 (B).
31. HANNES LAVEN, Visiting Professor of Zoology, for seven months from August 1, 1962, at a salary of \$12,445 (G).
32. RADO LENCEK, Assistant Professor of Russian, beginning September 1, 1962, at an annual salary of \$7,400 (B).
33. RICHARD J. LOFTUS, Assistant Professor of English, in the Department of English and in the Division of General Studies, beginning September 1, 1962, at an annual salary of \$6,800 (B33; B67).
34. MARY M. LOHR, Associate Professor of Psychiatric Nursing, College of Nursing, beginning September 24, 1962, at an annual salary of \$12,000 (DY).
35. JENS LÜBBERT, Visiting Associate Professor of Economics, for the first semester, 1962-63, at a salary of \$5,500 (G).
36. ROBERT M. LUMIANSKY, Visiting Professor of English, for the second semester, 1962-63, at a salary of \$8,500 (D).
37. EDWARD F. LUTSCH, Assistant Professor of Zoology, College of Pharmacy, beginning September 1, 1962, at an annual salary of \$7,500 (D).
38. CARLOS T. MARFORT, Assistant Professor of Architecture, beginning September 1, 1962, at an annual salary of \$10,500 (B).
39. FRANK H. MOYER, Assistant Professor of Zoology, beginning September 1, 1962, at an annual salary of \$8,000 (B).
40. HENRY C. KACZKOWSKI, Visiting Research Assistant Professor of Education, beginning September 1, 1962, at an annual salary of \$9,000 (D).
41. JOHN R. POSTGATE, Visiting Professor of Microbiology, for the first semester, 1962-63, at a salary of \$4,800 (E).
42. BRIAN POTTER, Associate Professor of Dermatology, College of Medicine, beginning September 1, 1962, at an annual salary of \$15,000 (AY).
43. HAROLD ARCH RAMSEY, Visiting Associate Professor of Nutrition, Department of Dairy Science, for the academic year 1962-63, at a salary of \$8,500 (G).

44. MELVIN ROTHBAUM, Associate Professor of Labor and Industrial Relations, beginning August 1, 1962, at an annual salary of \$11,000 (DY).
45. NEAL J. ROTHMAN, Research Associate in Mathematics, from August 16-31, 1962, at a salary of \$444 (G); and Assistant Professor of Mathematics, beginning September 1, 1962, at an annual salary of \$8,000 (B).
46. ROGER A. SCHMITZ, Assistant Professor of Chemistry and Chemical Engineering, beginning September 1, 1962, at an annual salary of \$7,500 (D).
47. JACOB N. SHANBERG, Clinical Associate Professor of Pathology, College of Medicine, beginning September 1, 1962, without salary (DY).
48. MAHENDAR K. SINGAL, Visiting Assistant Professor of Mathematics, for the academic year 1962-63, at a salary of \$7,000 (E).
49. HAZEL TAYLOR SPITZE, Assistant Professor of Home Economics Education, for the first semester, 1962-63, on three-fourths time, at a salary of \$2,812 (D75).
50. JACOB STERN, Assistant Professor of Industrial Education, beginning September 1, 1962, at an annual salary of \$8,000 (D).
51. R. BRUCE TOWNSEND, Visiting Professor of Law, for the first semester of 1962-63, at a salary of \$5,700 (G).
52. JERRY L. WALKER, Assistant Professor of Education, beginning September 1, 1962, at an annual salary of \$7,800 (D).
53. GREGORIO WEBER, Professor of Biochemistry, beginning September 1, 1962, at an annual salary of \$15,500 (A).
54. PAUL M. WEICHSEL, Assistant Professor of Mathematics, beginning September 1, 1962, at an annual salary of \$8,000 (B).
55. ROBERT WIRTZ, Visiting Research Assistant Professor, University High School, beginning September 1, 1962, on three-fourths time, at an annual salary of \$7,500 (D75).
56. LLOYD A. WITTING, Assistant Professor of Biological Chemistry, College of Medicine, beginning September 1, 1962, without salary (DY).
57. CHENG YI YANG, Assistant Professor of Civil Engineering, beginning September 1, 1962, at an annual salary of \$6,900 (D).
58. WILLARD R. ZEMLIN, Assistant Professor of Speech and Theatre, beginning September 1, 1962, at an annual salary of \$8,225 (BY).

On motion of Mr. Swain, these appointments were confirmed.

#### NONSALARIED FACULTY OF THE COLLEGE OF MEDICINE.

1962-1963

(3) I present the following list of appointments to the nonsalaried faculty of the College of Medicine for the academic year beginning September 1, 1962.

The designation "Rush" in a title is used to identify former members of the Rush Medical College faculty who were taken over by the University in 1941 as part of the affiliation with the former Presbyterian Hospital, now Presbyterian-St. Luke's Hospital, by authority of the Board of Trustees.

The list includes new appointments and reappointments. Professors and Associate Professors who have been on indefinite tenure in the past are being continued in that status. However, all new appointments at, or promotions to, the rank of Associate Professor are for one year (indicated by the symbol "DY"), and subsequent reappointments of such staff members will be on an annual basis.

On motion of Mr. Williamson, these appointments were approved as listed below.

#### Summary

<i>Department</i>	<i>1961-62</i>	<i>1962-63</i>
Anatomy.....	6 (1)*	5 (1)
Biological Chemistry.....	12	15
Dermatology.....	23 (2)	28 (3)
Medical Social Work.....	2	2
Medicine.....	295 (24)	286 (27)
Microbiology.....	4 (1)	5 (1)
Neurology and Neurological Surgery.....	12	11 (1)
Obstetrics and Gynecology.....	95 (2)	97 (2)

\* The figures in parentheses indicate the number of emeritus members.

<i>Department</i>	<i>1961-62</i>	<i>1962-63</i>
Ophthalmology.....	64 (4)	50 (4)
Orthopaedic Surgery.....	30 (2)	27 (2)
Otolaryngology.....	68 (6)	69 (8)
Pathology.....	38 (2)	40 (2)
Pediatrics.....	62 (6)	78 (7)
Pharmacology.....	2	3
Physical Medicine and Rehabilitation.....	3	5
Physiology.....	3	2 (1)
Preventive Medicine.....	11 (1)	11 (1)
Psychiatry.....	123 (2)	124 (2)
Public Health.....	7	7
Radiology.....	27	30 (1)
Surgery (including Urology and Anesthesiology)....	220 (11)	221 (11)
<i>Total</i> .....	<i>1 107 (64)</i>	<i>1 116 (74)</i>

### Anatomy

GUSTAVE L. ZECHEL, Lecturer with rank of Associate Professor, *Emeritus*  
 PHILIP CASELLA, Clinical Assistant Professor  
 ARTHUR F. CIPOLLA, Clinical Assistant Professor  
 LAWRENCE G. KHEDROO, Clinical Assistant Professor  
 FRANK A. VICARI, Clinical Assistant Professor

### Biological Chemistry

MAX K. HORWITT, Professor  
 MAX E. RAFELSON, JR., Professor  
 HERMANN G. MATTENHEIMER, Associate Professor (DY)<sup>1</sup>  
 RICHARD D. COLEMAN, Assistant Professor  
 ALVIN DUBIN, Assistant Professor  
 CHARLES F. DECKER, Assistant Professor  
 CLYDE C. DOUGHTY, Assistant Professor  
 SAIED GABALLAH, Assistant Professor  
 ALVIN J. GLASKY, Assistant Professor  
 JAMES A. HAYASHI, Assistant Professor  
 TOHRU INOUE, Assistant Professor  
 CHARLES F. LANGE, Assistant Professor  
 JOSEPH SAMACHSON, Assistant Professor  
 HOWARD H. SKY-PECK, Assistant Professor  
 GORDON S. STEWART, Clinical Assistant Professor

### Dermatology

JAMES H. MITCHELL, Clinical Professor (Rush), *Emeritus*  
 LEONARD F. WEBER, Clinical Professor, *Emeritus*  
 CLARK W. FINNERUD, Clinical Associate Professor (Rush), *Emeritus*  
 SYDNEY BARSKY, Clinical Associate Professor (DY)  
 SAMUEL W. BECKER, JR., Clinical Associate Professor (DY)  
 ALFRED B. FALK, Clinical Associate Professor  
 PAUL R. GRIFFITH, Clinical Associate Professor  
 JOHN B. HAEBERLIN, Clinical Associate Professor  
 IRENE NEUHAUSER, Clinical Associate Professor  
 MILTON ROBIN, Clinical Associate Professor  
 ALBERT H. SLEPYAN, Clinical Associate Professor  
 STEFAN BIELINSKI, Clinical Assistant Professor  
 IRVING H. DISTELHEIM, Clinical Assistant Professor  
 ALLEN S. PEARL, JR., Clinical Assistant Professor

<sup>1</sup> The symbol DY indicates the appointment for one year from September 1, 1962, on a twelve-month service basis, and is used here to designate those who are being appointed to the rank of Associate Professor for one year only. Where the symbol DY does not appear, the appointment of a Professor or Associate Professor is on indefinite tenure.

<sup>2</sup> Also Resident at Research and Educational Hospitals.

<sup>3</sup> Also Resident at Presbyterian-St. Luke's Hospital.

<sup>4</sup> Also Resident at Research and Educational Hospitals, assigned to the Institute for Juvenile Research.

<sup>5</sup> Also Resident at Cook County Hospital.

LOUIS RUBIN, Clinical Assistant Professor  
EDWIN M. SMITH, Clinical Assistant Professor  
BERNARD YAFFE, Clinical Assistant Professor  
RICHARD OLIVER, Clinical Associate  
IRMA ALESHIRE, Clinical Instructor  
CHESTER L. KROLL, Clinical Instructor  
HAROLD M. SPINKA, Clinical Instructor  
SEYMOUR WEINSTEIN, Clinical Instructor  
WILLIAM E. BAILEY, Assistant (one year from July 1, 1962)<sup>2</sup>  
BRUCE B. BURGESS, Assistant (one year from July 1, 1962)<sup>2</sup>  
JACK M. FOX, Assistant  
RAYMOND M. HANDLER, Assistant (one year from July 1, 1962)<sup>2</sup>  
WILFRIED L. SCHMEROLD, Clinical Assistant  
SAMUEL W. TONKENS, Assistant (one year from July 1, 1962)<sup>2</sup>

### Medical Social Work

JOSEPHINE G. TAYLOR, Assistant Professor  
NANCY V. GILSEN, Assistant Professor

### Medicine

WALTER C. ALVAREZ, Lecturer in Medicine with rank of Professor, *Emeritus*  
AARON ARKIN, Clinical Professor (Rush), *Emeritus*  
JAMES B. EYERLY, Clinical Professor (Rush), *Emeritus*  
MORRIS FISHBEIN, Lecturer in Medicine with rank of Professor (Rush), *Emeritus*  
ELLIS B. FREILICH, Clinical Professor, *Emeritus*  
WILLIAM G. HIBBS, Clinical Professor (Rush), *Emeritus*  
FRANK B. KELLY, Clinical Professor (Rush), *Emeritus*  
WILBER E. POST, Clinical Professor (Rush), *Emeritus*  
SIDNEY STRAUSS, Clinical Professor, *Emeritus*  
WILLIAM A. THOMAS, Clinical Professor (Rush), *Emeritus*  
ALBERT VANDERKLOOT, Clinical Professor, *Emeritus*  
JAMES A. CAMPBELL, Professor  
RICHARD B. CAPPS, Clinical Professor  
LOUIS FELDMAN, Clinical Professor  
HAROLD C. LUETH, Clinical Professor  
OGLESBY PAUL, Clinical Professor  
KARL H. PFUETZE, Clinical Professor  
BEN Z. RAPPAPORT, Clinical Professor  
THEODORE B. SCHWARTZ, Professor  
GEORGE W. STUPPY, Clinical Professor (Rush)  
WILLARD L. WOOD, Clinical Professor (Rush)  
WILLIAM S. HOFFMAN, Lecturer with rank of Professor  
BENJAMIN GOLDBERG, Clinical Associate Professor, *Emeritus*  
ALVA A. KNIGHT, Clinical Associate Professor (Rush), *Emeritus*  
FRANK B. LUSK, Clinical Associate Professor, *Emeritus*  
SAMUEL PERLSTEIN, Clinical Associate Professor, *Emeritus*  
HOWARD M. SHEAFF, Clinical Associate Professor (Rush), *Emeritus*  
EUGENE F. TRAUT, Clinical Associate Professor (Rush), *Emeritus*  
RALPH W. TRIMMER, Clinical Associate Professor (Rush), *Emeritus*  
HOWARD WAKEFIELD, Clinical Associate Professor, *Emeritus*  
MELVIN L. AFREMOV, Clinical Associate Professor  
EVAN M. BARTON, Clinical Associate Professor (Rush)  
ARTHUR BERNSTEIN, Clinical Associate Professor  
HERBERT C. BREUHAUS, Clinical Associate Professor  
GEORGE V. BYFIELD, Clinical Associate Professor  
THOMAS J. COOGAN, Clinical Associate Professor  
JACOB W. FISCHER, Clinical Associate Professor  
MURRAY FRANKLIN, Clinical Associate Professor  
JOHN S. GRAETTINGER, Associate Professor  
EARLE GRAY, Clinical Associate Professor (Rush)  
PAUL HELLER, Associate Professor  
EDWIN N. IRONS, Clinical Associate Professor

ROY J. KORN, Associate Professor  
ROBERT O. LEVITT, Clinical Associate Professor  
MEYER R. LICHTENSTEIN, Clinical Associate Professor  
ARMAND LITTMAN, Associate Professor  
CLAYTON J. LUNDY, Clinical Associate Professor (Rush)  
J. CHARLES McMILLAN, Jr., Clinical Associate Professor  
MILTON M. MOSKO, Clinical Associate Professor  
JEROME T. PAUL, Clinical Associate Professor  
ISADORE PILOT, Clinical Associate Professor  
THEODORE Z. POLLEY, Clinical Associate Professor  
EUGENE J. RANKE, Clinical Associate Professor  
SAMUEL H. ROSENBLUM, Clinical Associate Professor  
WILLIAM SAPHIR, Clinical Associate Professor  
ARMIN F. SCHICK, Clinical Associate Professor (Rush)  
JAMES A. SCHOENBERGER, Clinical Associate Professor  
MITCHELL A. SPELLBERG, Clinical Associate Professor  
IRVING E. STECK, Clinical Associate Professor  
FRANK E. TROBAUGH, Jr., Associate Professor  
LIONEL M. BERNSTEIN, Associate Professor (DY)  
MAX BERG, Clinical Associate Professor (DY)  
GEORGE H. BERRYMAN, Clinical Associate Professor (DY)  
AARON GUNTHER, Clinical Associate Professor (DY)  
JANET R. KINNEY, Clinical Associate Professor (DY)  
SHELDON E. KRASNOW, Clinical Associate Professor (DY)  
JULES H. LAST, Clinical Associate Professor (DY)  
HERMAN A. LEVY, Lecturer with rank of Associate Professor (DY)  
BERTRAM G. NELSON, Clinical Associate Professor (Rush) (DY)  
LAWRENCE PERLMAN, Clinical Associate Professor (DY)  
VICTOR E. POLLAK, Research Associate Professor (DY)  
PAUL RAVENNA, Clinical Associate Professor (DY)  
ALFRED H. ROSENBLUM, Lecturer with rank of Associate Professor (DY)  
GRAHAM A. VANCE, Clinical Associate Professor (DY)  
LEO E. AMTMAN, Clinical Assistant Professor, *Emeritus*  
JOHN A. GARDINER, Clinical Assistant Professor (Rush), *Emeritus*  
BENJAMIN H. HILKEVITCH, Clinical Assistant Professor (Rush), *Emeritus*  
GRANT H. LAING, Clinical Assistant Professor, *Emeritus*  
OSMUND H. AKRE, Clinical Assistant Professor  
DAVID BALDWIN, Clinical Assistant Professor  
ROBERT J. BECKER, Clinical Assistant Professor  
HERBERT E. BESSINGER, Clinical Assistant Professor  
ALBIN M. BRIKEY, Jr., Clinical Assistant Professor  
DAVID BRONSKY, Clinical Assistant Professor  
RALPH G. BROWN, Clinical Assistant Professor  
RICHARD A. CARLETON, Clinical Assistant Professor  
CHESTER COGGESHALL, Clinical Assistant Professor  
ANGELO P. CRETICOS, Clinical Assistant Professor  
JOHN A. DETWEILER, Clinical Assistant Professor  
HUGO O. DEUSS, Lecturer with rank of Assistant Professor  
HENRY D. DEYOUNG, Clinical Assistant Professor  
PETER J. FARAGO, Clinical Assistant Professor  
ROBERT E. FELIX, Clinical Assistant Professor  
BENJAMIN W. FOX, Clinical Assistant Professor  
DONALD T. FOXWORTHY, Clinical Assistant Professor  
SANFORD A. FRANZBLAU, Clinical Assistant Professor  
GERHARD FREUND, Clinical Assistant Professor  
ROBERT C. FRUIN, Clinical Assistant Professor  
RAYMOND M. GALT, Clinical Assistant Professor  
MORTON A. GOLDMANN, Clinical Assistant Professor  
BUFORD HALL, Clinical Assistant Professor  
WILLIAM J. HAND, Clinical Assistant Professor  
HARRY L. HUNTER, Clinical Assistant Professor  
FRANK W. JONES, Clinical Assistant Professor

PHILIP N. JONES, Clinical Assistant Professor  
BENJAMIN M. KAPLAN, Clinical Assistant Professor  
ERVIN KAPLAN, Clinical Assistant Professor  
ROLAND L. KESLER, Clinical Assistant Professor (Rush)  
WALLACE W. KIRKLAND, JR., Clinical Assistant Professor  
SYDNEY KOFMAN, Assistant Professor  
CHARLES H. LAWRENCE, Clinical Assistant Professor  
BRUCE D. LEE, Clinical Assistant Professor  
WILLIAM R. MCCABE, Assistant Professor  
JEROME S. MEHLMAN, Clinical Assistant Professor  
MORGAN M. MEYER, Clinical Assistant Professor  
THOMAS MORRISON, Clinical Assistant Professor  
ROBERT C. MUEHRCKE, Clinical Assistant Professor  
JOSEPH J. MUENSTER, JR., Assistant Professor  
JOHN R. NECHELES, Clinical Assistant Professor  
ROBERT M. POSKE, Clinical Assistant Professor  
JOHN POST, Clinical Assistant Professor (Rush)  
OLDRICH PREC, Lecturer with rank of Assistant Professor  
MARJORIE M. PYLE, Clinical Assistant Professor  
ALEXANDER N. RUGGIE, Clinical Assistant Professor  
ANTHONY R. SAPIENZA, Clinical Assistant Professor  
HAROLD SCHOOLMAN, Clinical Assistant Professor  
JOHN T. SHARP, Clinical Assistant Professor  
ROBERT E. SLAYTON, Clinical Assistant Professor  
ELIZABETH K. STRAUS, Lecturer with rank of Assistant Professor (Rush)  
DONALD W. TARUN, Clinical Assistant Professor  
ANGELO TOIGO, Clinical Assistant Professor  
SEYMOUR W. WEISBERG, Clinical Assistant Professor  
GERALD A. WILLIAMS, Clinical Assistant Professor  
EDWARD J. WISS, Clinical Assistant Professor  
ALEXANDER WOLF, Clinical Assistant Professor  
CHARLES K. WOLFE, JR., Clinical Assistant Professor  
SIMON ZIVIN, Clinical Assistant Professor  
LUKE J. GRIMELLI, Clinical Associate, *Emeritus*  
EUGENE GROSZ, Clinical Associate, *Emeritus*  
ROBERT N. HEDGES, Clinical Associate, *Emeritus*  
J. LISLE WILLIAMS, Associate, *Emeritus*  
JOHN L. CIRZAN, Clinical Associate  
G. WILLIAM COTTS, Clinical Associate  
JOSEPH A. DAVIS, Clinical Associate  
MICHAEL M. DIGILIO, Clinical Associate  
CARL A. HEDBLUM, JR., Clinical Associate  
WILLIAM H. HIGHSTONE, Clinical Associate  
WALTER F. HOEPFNER, Clinical Associate  
LOUIS C. JOHNSTON, Clinical Associate  
WILLIAM J. KIRBY, Clinical Associate (Rush)  
AUDLEY R. MAMBY, Clinical Associate  
SAMUEL MATLIN, Clinical Associate  
PETER S. MAYER, Clinical Associate  
JOSEPH R. NORA, Clinical Associate  
DONALD E. O'BRIEN, Clinical Associate  
JOSHUA ODEN, JR., Clinical Associate  
MARVIN S. ROSENBERG, Research Associate (one year from July 1, 1962)  
RIGBY C. ROSKELLEY, Clinical Associate  
SEYMOUR R. SALBERG, Clinical Associate  
RALPH A. SCALA, Clinical Associate  
JEROME F. STRAUSS, JR., Clinical Associate  
KASRIEL TAUSK, Clinical Associate  
RAYMOND TEPLITZ, Clinical Associate  
CHESTER B. THRIFT, Clinical Associate  
CHARLES S. VIL, Clinical Associate  
EARL A. VONDRASEK, Clinical Associate



JAMES R. ZVETINA, Clinical Associate  
MAURICE M. ALBALA, Clinical Instructor  
EARL T. ANDERSON, Instructor (one year from July 1, 1962)  
SAMUEL BERGER, Clinical Instructor  
JOHN D. BEST, Instructor (one year from July 1, 1962)<sup>1</sup>  
PHILIP E. BLATT, Instructor (one year from July 1, 1962)<sup>1</sup>  
WILLIAM V. BLAZEK, Instructor (one year from July 1, 1962)<sup>1</sup>  
ALLEN F. BOWYER, Instructor (one year from July 1, 1962)<sup>1</sup>  
JOSEPH T. BRANIT, Clinical Instructor  
WILLIAM C. BROWN, Clinical Instructor  
MILDA BUDRYS, Clinical Instructor  
FRANK C. CARTER, Clinical Instructor  
WILLIAM CLAY, Clinical Instructor  
THOMAS D. DALE, JR., Clinical Instructor  
ROBERT E. DEDMON, Instructor (one year from July 1, 1962)  
JAMES E. DILL, Clinical Instructor  
DEAN F. DIMICK, Clinical Instructor  
PETER G. ECONOMOU, Instructor (fourteen months from July 1, 1962)  
CHARLES M. ELWOOD, Instructor (one year from July 1, 1962)<sup>2</sup>  
JOHN R. ERICKSON, Clinical Instructor  
MIGUEL A. ESCOBAR, Instructor (three months from July 1, 1962)  
WILLIAM E. FISHMAN, Clinical Instructor  
GEORGE C. FLANAGAN, Instructor  
RICHARD P. FOTH, Clinical Instructor (fourteen months from July 1, 1962)  
RONALD E. FOX, Clinical Instructor  
WILLIAM I. FREUD, Clinical Instructor  
RAIMONDS G. GAILITIS, Clinical Instructor  
WILLIAM R. GARR, Clinical Instructor  
CARL A. GEBUHR, Clinical Instructor  
PAUL K. HANASHIRO, Instructor (one year from July 1, 1962)<sup>2</sup>  
DONALD H. HANSCOM, Clinical Instructor  
THOMAS H. HAYES, Clinical Instructor  
ROBERT N. HEDGES, JR., Clinical Instructor  
JOHN P. HENRY, Clinical Instructor  
ROBERT L. HERTING, Clinical Instructor  
ALLEN HOFFMAN, Clinical Instructor  
ALBERT W. HOLMES, JR., Instructor (one year from July 1, 1962)  
NATHAN J. IGLITZEN, Clinical Instructor  
MOHAMMAD INAYATULLAH, Instructor (one year from July 1, 1962)  
MEILUTE A. INDREIKA, Clinical Instructor  
RODNEY A. JAMIESON, Clinical Instructor  
HAROLD L. JENSEN, Clinical Instructor  
JOHN C. JONES, Clinical Instructor  
IRENE G. KAGANIEC, Clinical Instructor  
ROBERT S. KASSRIEL, Clinical Instructor  
FRANK B. KELLY, JR., Clinical Instructor  
EUGENE S. KRASNOW, Clinical Instructor  
WILLIAM J. KRISTY, Clinical Instructor  
JERRY P. LEWIS, Instructor (one year from July 1, 1962)  
JOHN LOCKHART, Instructor (one year from July 1, 1962)<sup>3</sup>  
PATRICIA A. MCCREARY, Clinical Instructor  
RANDALL L. MANN, Clinical Instructor  
JULIO MARSI, Clinical Instructor  
WAYNE E. MATHY, Clinical Instructor  
VIDVUDS MEDENIS, Clinical Instructor  
PAUL A. MEREDITH, Clinical Instructor  
JEROME E. NEUSTADT, Clinical Instructor  
JULIUS S. NEWMAN, Clinical Instructor  
ROBERT F. O'BOYLE, Instructor (three months from July 1, 1962)<sup>2</sup>  
LEONARD OHRINGER, Clinical Instructor  
CHARLES P. PERLIA, Instructor  
WILLIAM H. PHELAN, Clinical Instructor

GLOUCESTER A. PRICE, JR., Clinical Instructor  
PETER PULOS, Clinical Instructor  
ANITA ROBBINS, Clinical Instructor  
DEAN S. ROSSET, Clinical Instructor  
GEORGE S. SCHOLLY, Instructor (one year from July 1, 1962)  
ROGER R. SCHUESSLER, Clinical Instructor  
WILLIAM K. SCUPHAM, Clinical Instructor  
VITOLDS R. SILINS, Instructor  
JAY SILVERMAN, Instructor (one year from July 1, 1962)<sup>1</sup>  
MARSHALL J. SNAPP, Clinical Instructor  
WILLIAM R. STARR, Clinical Instructor  
HARRY B. STONE, Clinical Instructor  
MARIAN S. TARZYNSKI, Clinical Instructor  
W. RANDOLPH TUCKER, Instructor (one year from July 1, 1962)  
ALSTON C. TWISS, Clinical Instructor  
PAUL L. WINTER, Clinical Instructor  
ARTHUR L. ABBOTT, Assistant (one year from July 1, 1962)<sup>1</sup>  
ARTHUR J. ANDERSON, Assistant (one year from July 1, 1962)<sup>1</sup>  
LLEWELLYN B. BIGELOW, Assistant (one year from July 1, 1962)<sup>1</sup>  
BERNARD B. BLAAUW, JR., Assistant (one year from July 1, 1962)<sup>1</sup>  
HELEN C. BONBREST, Assistant (one year from July 1, 1962)<sup>1</sup>  
JACK L. CHITTY, Clinical Assistant  
JAMES G. CLARK, Assistant (one year from July 1, 1962)<sup>1</sup>  
LEON I. COHEN, Clinical Assistant  
THOMAS J. COOGAN, JR., Assistant (one year from July 1, 1962)<sup>1</sup>  
DONALD R. DARLING, Clinical Assistant (on leave of absence for military service)  
RUDOLF DONATH, Assistant (one year from July 1, 1962)<sup>1</sup>  
ROBERT B. EPSTEIN, Clinical Assistant  
JUNE R. FINER, Assistant (five months from July 1, 1962)<sup>1</sup>  
NANCY GUBISCH, Research Assistant (one year from July 1, 1962)  
WILLIAM M. HAMBY, Clinical Assistant  
REYNOLD T. LARSEN, Assistant (one year from July 1, 1962)<sup>1</sup>  
JOSEPH LIBNOCH, Clinical Assistant  
BERYL LOVITZ, Clinical Assistant  
JAMES C. LOWE II, Assistant (one year from July 1, 1962)<sup>1</sup>  
GORDON D. LUCAS, Assistant (one year from July 1, 1962)<sup>1</sup>  
EDWIN B. MILLER, Clinical Assistant  
GEORGE A. NELSON, JR., Assistant (seven months from December 1, 1962)<sup>1</sup>  
ALBERT F. NIBBE, Assistant (one year from July 1, 1962)<sup>1</sup>  
DIEGO NORENA, Research Assistant (one year from July 1, 1962)  
JOHN C. PERKINS, Assistant (one year from July 1, 1962)<sup>1</sup>  
MAURICE B. PICKARD, Assistant (one year from July 1, 1962)<sup>1</sup>  
NORMAN W. REAM, Assistant (one year from July 1, 1962)<sup>1</sup>  
RONALD R. REED, Clinical Assistant  
ELIZABETH F. RICHARDSON, Assistant (one year from July 1, 1962)<sup>1</sup>  
ARTHUR H. ROSENBERG, Assistant (one year from July 1, 1962)<sup>1</sup>  
BOHUMIL A. SAMAL, Assistant (one year from July 1, 1962)<sup>1</sup>  
BRUCE G. SAVILLE, Assistant (one year from July 1, 1962)<sup>1</sup>  
ANTHONY M. SCARDINO, Clinical Assistant (on leave of absence for military service)  
STANLEY S. SHIMODA, Assistant (one year from July 1, 1962)<sup>1</sup>  
JOSEPH V. SIMONE, Assistant (one year from July 1, 1962)<sup>1</sup>  
ALAN J. SORSCHER, Clinical Assistant  
ARMANDO SUSMANO, Assistant (one year from July 1, 1962)  
CÉSAR TORRES, Research Assistant  
RAMON A. URENA, Assistant (one year from July 1, 1962)  
JORDAN D. WAXMAN, Assistant (one year from July 1, 1962)<sup>1</sup>  
HOWARD G. WILCOX, Assistant (one year from July 1, 1962)<sup>1</sup>  
EDMUND M. ZIOLKOWSKI, Clinical Assistant

#### Microbiology

FRIEDRICH W. DEINHARDT, Associate Professor

GEORGE F. FORSTER, Lecturer with rank of Assistant Professor  
RALPH H. HUBBLE, Lecturer with rank of Instructor  
WILLIAM LANDAU, Instructor  
ELTA W. KNOLL, Assistant, *Emerita*

### Neurology and Neurological Surgery

LOREN W. AVERY, Clinical Professor (Rush), *Emeritus*  
ARTHUR ARNOLD, Clinical Assistant Professor  
RICHARD O. BURNS, JR., Clinical Instructor  
VIRGINIA R. SORUM, Clinical Associate  
NATHAN ZOLT, Clinical Associate  
ELI TOBIAS, Clinical Instructor  
PHILIPP M. LIPPE, Assistant  
DIEGO MONTEVERDE, Assistant  
GORO TSUCHIYA, Assistant  
LYLE E. WACASER, Assistant  
WALTER WHISLER, Assistant

### Obstetrics and Gynecology

EDWARD D. ALLEN, Clinical Professor (Rush), *Emeritus*  
HARRY BOYSEN, Clinical Professor (Rush)  
EUGENE A. EDWARDS, Clinical Professor  
ARTHUR H. KLAWS, Clinical Professor (Rush)  
ABRAHAM F. LASH, Clinical Professor  
RICHARD H. ANDRESEN, Clinical Associate Professor  
JAMES P. FITZGIBBONS, Clinical Associate Professor  
ALFRED J. KOBAK, Clinical Associate Professor  
RICHARD A. LIFVENDAHL, Clinical Associate Professor  
FRED O. PRIEST, Clinical Associate Professor (Rush)  
GEORGE H. REZEK, Clinical Associate Professor  
HARRY K. WADDINGTON, Clinical Associate Professor  
JOHN R. WOLFF, Clinical Associate Professor  
DEANE M. FARLEY, Clinical Associate Professor (DY)  
JOHN P. HARROD, JR., Clinical Associate Professor (DY)  
ARMAND J. MAUZEY, Clinical Associate Professor (DY)  
HARRY SERED, Clinical Assistant Professor, *Emeritus*  
HUGO C. BAUM, Clinical Assistant Professor (Rush)  
ROBERT A. BEEBE, Clinical Assistant Professor  
SOL J. BENENSOHN, Clinical Assistant Professor  
MICHAEL H. BOLEY, Clinical Assistant Professor  
CLAIR M. CAREY, Clinical Assistant Professor  
SOL T. DELEE, Clinical Assistant Professor  
VINCENT S. DIGIULIO, Clinical Assistant Professor  
CECIL DRAA, Clinical Assistant Professor (Rush)  
GEORGE C. FINOLA, Clinical Assistant Professor  
WILLIAM F. GEITTMANN, Clinical Assistant Professor  
RALPH L. GIBSON, Clinical Assistant Professor  
ROBERT J. GLENNER, Clinical Assistant Professor  
CHARLES J. HEIBERGER, Clinical Assistant Professor  
BERNARD M. KAYE, Clinical Assistant Professor  
CHARLES D. KRAUSE, Clinical Assistant Professor  
VINCENT A. LAVIERI, Clinical Assistant Professor  
ROCCO V. LOBRAICO, Clinical Assistant Professor  
JOHN S. LONG, Clinical Assistant Professor  
JOHN W. PAYNE, Clinical Assistant Professor  
LOWELL F. PETERSON, Clinical Assistant Professor  
FREDERICK J. ROOS, Clinical Assistant Professor  
MEYER D. RUTGARD, Clinical Assistant Professor  
SEYMOUR SHOLDER, Clinical Assistant Professor  
C. OTIS SMITH, Clinical Assistant Professor  
MANUEL SPIEGEL, Clinical Assistant Professor  
ROBERT C. STEPTO, Clinical Assistant Professor

JOSEPH B. TETON, Clinical Assistant Professor  
 VASIL TRUCHLY, Clinical Assistant Professor  
 FRANK J. WALSH, Clinical Assistant Professor  
 BRUCE P. ZUMMO, Clinical Assistant Professor  
 JOSEPH S. ANGELL, Clinical Instructor  
 JOHN F. BARTELS, Clinical Instructor  
 KURT BOCHNER, Instructor (one year from July 1, 1962)<sup>2</sup>  
 GEORGE C. BONERTZ, Instructor (one year from July 1, 1962)<sup>2</sup>  
 ALLAN G. CHARLES, Clinical Instructor  
 DONALD M. FAHRENBACH, Clinical Instructor  
 EDWIN L. FALLOON, Clinical Instructor  
 HARVEY A. GOLLIN, Clinical Instructor  
 WILLIAM P. GORDON, JR., Instructor (one year from July 1, 1962)<sup>2</sup>  
 JOHN R. KOSTELNY, Clinical Instructor  
 ROBERT J. LEE, Instructor (one year from July 1, 1962)<sup>2</sup>  
 LAWRENCE LEVINE, Clinical Instructor  
 JOSEPH J. MULLEN, Clinical Instructor  
 EDWIN E. NYMAN, Clinical Instructor  
 DENES ORBAN, Clinical Instructor (fourteen months from July 1, 1962)  
 MICHAEL P. PILL, Clinical Instructor  
 RICHARD R. ROBBE, Instructor (one year from July 1, 1962)<sup>2</sup>  
 GABRIEL A. RODRIGUEZ, Instructor (one year from July 1, 1962)<sup>2</sup>  
 MARVIN A. ROSNER, Clinical Instructor  
 JACK A. SAMPSON, Clinical Instructor  
 LIONEL J. SCHEWITZ, Clinical Instructor  
 ROBERT G. STONE, Clinical Instructor  
 EDGAR B. SYLVESTER, Clinical Instructor  
 NATHAN TOLWINSKY, Clinical Instructor  
 NANCY C. TREADWELL, Clinical Instructor  
 GEORGE P. VLASIS, Clinical Instructor  
 LAVERNE M. WALLHEISER, Clinical Instructor  
 ALVIN F. WIERSMA, Clinical Instructor  
 JOHN A. AIMONE, Clinical Assistant  
 JOSEPH H. CLEVINGER, JR., Assistant (one year from July 1, 1962)<sup>2</sup>  
 DELOS R. COZAD, Clinical Assistant  
 ANDREW V. DAHLBERG, Clinical Assistant  
 WILLIAM H. DONOVAN, JR., Clinical Assistant  
 EARL S. FULLER, Assistant (one year from July 1, 1962)<sup>2</sup>  
 WILLIAM M. GARDNER, Assistant (one year from July 1, 1962)<sup>2</sup>  
 ROGER A. GOETZ, Assistant (one year from July 1, 1962)<sup>2</sup>  
 TERRENCE C. HANSEN, Assistant (one year from July 1, 1962)<sup>2</sup>  
 THOMAS HEJNA, Assistant (one year from July 1, 1962)<sup>2</sup>  
 MARIO A. IRIGOYEN, Clinical Assistant  
 ELMER J. JUSTEMA, Clinical Assistant  
 SIDNEY C. KAHN, Clinical Assistant  
 ANTHONY N. KENWICK, Clinical Assistant  
 ROBERT H. OBERHELMAN, Clinical Assistant  
 ADRIAN R. OLECK, Clinical Assistant  
 ROBERT P. OLSON, Assistant (one year from July 1, 1962)<sup>2</sup>  
 EUGENE D. ROTHENBERG, Assistant (one year from July 1, 1962)<sup>2</sup>  
 PETER D. SCALZITTI, Assistant (one year from July 1, 1962)<sup>2</sup>  
 IRVING SHIPKOWITZ, Assistant (one year from July 1, 1962)<sup>2</sup>  
 KENNETH M. SUSSMAN, Assistant (one year from July 1, 1962)<sup>2</sup>  
 LAWRENCE J. SYKORA, Clinical Assistant

#### Ophthalmology

WILLIAM F. MONCREIFF, Clinical Professor (Rush), *Emeritus*  
 WILLIAM F. HUGHES, Clinical Professor  
 EARLE B. FOWLER, Clinical Associate Professor (Rush), *Emeritus*  
 GEORGIANA D. THEOBALD, Clinical Associate Professor and Clinical Pathologist,  
*Emeritus*  
 CARL APPLE, Clinical Associate Professor

JOSEPH S. HAAS, Clinical Associate Professor  
 DANIEL SNYDACKER, Clinical Associate Professor  
 THEODORE N. ZEKMAN, Clinical Associate Professor  
 ROBERT R. HERBST, Clinical Assistant Professor  
 GILBERT ISER, Clinical Assistant Professor  
 DAVID B. MAHER, Clinical Assistant Professor  
 H. ISABELLE MCGARRY, Clinical Assistant Professor  
 G. HENRY MUNDT, JR., Clinical Assistant Professor  
 EDWARD A. PUSHKIN, Clinical Assistant Professor  
 SAMUEL M. SCHALL, Clinical Assistant Professor  
 KARL J. SCHERIBEL, Clinical Assistant Professor (Rush)  
 MANUEL L. STILLERMAN, Clinical Assistant Professor  
 MARTIN J. URIST, Clinical Assistant Professor  
 VERNON M. LEECH, Clinical Associate (Rush), *Emeritus*  
 WALTER L. BAYARD, Clinical Associate  
 DAVID V. L. BROWN, Clinical Associate  
 MICHAEL E. CARROLL, Clinical Associate  
 VIVIAN A. CATION, Clinical Associate  
 WILLIAM E. DEUTSCH, Clinical Associate  
 LEONA R. FORDON, Clinical Associate  
 ALDONA A. JUSKA, Clinical Associate  
 BURTON M. KRIMMER, Clinical Associate  
 ARTHUR LIGHT, Clinical Associate  
 ROBERT H. MURPHY, Clinical Associate  
 VALDO P. OLEARI, Clinical Associate  
 JUDITH V. PERRY, Clinical Associate  
 BURTON A. RUSSMAN, Clinical Associate  
 BARBARA SPIRO, Clinical Associate  
 JOSEPH TATAR, Clinical Associate  
 ALBERT E. TENNENBAUM, Clinical Associate  
 KARL E. TICHO, Clinical Associate  
 JACK TRESLEY, Clinical Associate  
 SHERWIN A. FOX, Clinical Instructor  
 IRWIN MENACHOF, Clinical Instructor  
 NORBERT J. NOWICKI, Clinical Instructor  
 DAVID C. WHITSELL, Clinical Instructor  
 MICHAEL BELSON, Assistant (one year from July 1, 1962)<sup>3</sup>  
 JOHN CAIRNS, Assistant (one year from July 1, 1962)<sup>2</sup>  
 CARL GARFINKLE, Assistant (one year from July 1, 1962)<sup>2</sup>  
 JOEL KAPLAN, Assistant (one year from July 1, 1962)<sup>2</sup>  
 WALTER KAHN, Assistant (one year from July 1, 1962)<sup>2</sup>  
 DAVID S. MCDANIEL, Assistant (one year from July 1, 1962)<sup>2</sup>  
 FRANK MENDELBLATT, Assistant (one year from July 1, 1962)<sup>2</sup>  
 HANS J. RENFENNING, Assistant (one year from July 1, 1962)<sup>2</sup>  
 ALLEN K. RICE, Assistant (one year from July 1, 1962)<sup>2</sup>

#### Orthopaedic Surgery

FRANK G. MURPHY, Clinical Associate Professor, *Emeritus*  
 CARLO S. SCUDERI, Clinical Associate Professor of Orthopaedics  
 FRED SHAPIRO, Clinical Associate Professor (Rush)  
 HORACE E. TURNER, Clinical Assistant Professor, *Emeritus*  
 WILLIAM A. MARSHALL, Clinical Assistant Professor  
 ROBERT P. MEANY, Clinical Assistant Professor  
 LEO F. MILLER, Clinical Assistant Professor  
 RAYMOND J. PELLICORE, Clinical Assistant Professor  
 DONALD ROSS, Clinical Assistant Professor  
 TAWFIK Y. SABET, Research Associate  
 JAMES P. AHSTROM, Clinical Instructor  
 RAMEZ AOUAD, Instructor (one year from July 1, 1962)<sup>4</sup>  
 THOMAS H. COMFORT, Instructor<sup>2</sup>  
 RICHARD M. CRONIN, Clinical Instructor  
 RONALD L. DEWALD, Assistant (on leave of absence for military service)<sup>3</sup>

CHARLES E. GAVIN, Clinical Instructor  
WILLIAM A. HARK, Clinical Instructor  
WILLIAM F. HEJNA, Instructor<sup>2</sup>  
ALAIN F. MENGUY, Instructor<sup>2</sup>  
CLIFFORD O. NYMAN, Clinical Instructor  
WALTER R. PETERSEN, Clinical Instructor  
IRWIN B. RICH, Clinical Instructor  
LOUIS S. VARZINO, Clinical Instructor (Rush)  
RIAD BARMADA, Assistant (one year from July 1, 1962)<sup>2</sup>  
JORGE O. GALANTE, Assistant (one year from July 1, 1962)<sup>2</sup>  
ROBERT V. JOHNSON, Assistant (one year from July 1, 1962)<sup>2</sup>  
ROLLO J. NESSET, Assistant (one year from July 1, 1962)<sup>2</sup>

### Otolaryngology

DANIEL B. HAYDEN, Clinical Professor (Rush), *Emeritus*  
ABRAHAM R. HOLLENDER, Professor, *Emeritus*  
WALTER H. THEOBALD, Clinical Professor, *Emeritus*  
OLIVER E. VANALYEA, Clinical Professor, *Emeritus*  
SAMUEL M. MORWITZ, Clinical Associate Professor, *Emeritus*  
RICHARD W. WATKINS, Clinical Associate Professor, *Emeritus*  
ALBERT H. ANDREWS, JR., Clinical Associate Professor of Bronchoesophagology  
OSCAR J. BECKER, Clinical Associate Professor  
WALTER W. DALITSCH, Clinical Associate Professor  
STANTON A. FRIEDBERG, Clinical Associate Professor (Rush)  
KENNETH C. JOHNSTON, Clinical Associate Professor of Bronchoesophagology  
G. KENNETH LEWIS, Clinical Associate Professor  
ROBERT B. LEWY, Clinical Associate Professor  
GEORGE S. LIVINGSTON, Clinical Associate Professor  
MAURICE F. SNITMAN, Clinical Associate Professor  
LINDEN J. WALLNER, Clinical Associate Professor (Rush)  
LOUIS SAVITT, Clinical Assistant Professor, *Emeritus*  
HELMUT BLUMENTHAL, Clinical Assistant Professor  
EDWARD L. CHAINSKI, Clinical Assistant Professor  
ARTHUR J. COOMBS, Clinical Assistant Professor  
ELMER A. FRIEDMAN, Clinical Assistant Professor  
LOIS D. GREENE, Clinical Assistant Professor  
RICHARD E. MARCUS, Clinical Assistant Professor  
ARTHUR L. RATKO, Clinical Assistant Professor  
LEO A. SATZ, Clinical Assistant Professor  
FRANK WOJNIAK, Clinical Assistant Professor (Rush)  
WILLIAM A. SMILEY, Clinical Associate, *Emeritus*  
I. ERLIN BARTLETT, Clinical Associate  
BRUNO BLUMKLOTZ, Clinical Associate  
DAVID O. DALE, Clinical Associate  
JOSEPH GYORKEY, Clinical Associate  
ANDREAS G. KODROS, Clinical Associate  
ROLAND A. KOWAL, Clinical Associate  
MILTON E. KURTH, Clinical Associate  
COLETTE JEANTET, Clinical Associate  
MARIO D. MANSUETO, Clinical Associate  
JOSEPH F. ORRICO, Clinical Associate  
HARKISHEN SINGH, Clinical Associate  
PIERCE W. THEOBALD, Clinical Associate  
JOHN A. WEIDEMANN, Clinical Associate  
ROBERT H. BORKENHAGEN, Clinical Instructor  
RALPH A. CASCIARO, Clinical Instructor  
GEORGE H. CONNER, Clinical Instructor (on leave of absence for military service)  
JOSE LUIS FERREX, Clinical Instructor  
DINO G. MAURIZI, Clinical Instructor (on leave of absence for military service)  
PHILLIP I. MOZER, Clinical Instructor  
THADDEUS S. PIERCE, Clinical Instructor  
EDWARD A. RAZIM, Clinical Instructor

LOUIS F. SCARAMELLA, Clinical Instructor  
 KARL H. SIEDENTOP, Clinical Instructor  
 KURT SPRINGER, Clinical Instructor  
 ALDO C. SIRUGO, Clinical Instructor  
 JOYCE A. SCHILD, Clinical Instructor  
 LOUIS T. TENTA, Clinical Instructor  
 ARTHUR I. BRODER, Assistant (one year from July 1, 1962)<sup>2</sup>  
 ROBIN COTTEN BROWN, Assistant (one year from July 1, 1962)<sup>2</sup>  
 JOHN N. COMITO, Assistant (on leave of absence for military service)<sup>2</sup>  
 ROGER A. EGGERT, Assistant (one year from July 1, 1962)<sup>2</sup>  
 THOMAS E. GRIFFITH, Assistant (one year from July 1, 1962)<sup>2</sup>  
 GERALD E. GUEMMER, Clinical Assistant  
 HAROLD I. LAKER, Assistant (one year from July 1, 1962)<sup>2</sup>  
 FRANKLIN S. MASSARI, Assistant (one year from July 1, 1962)<sup>2</sup>  
 FLORIAN R. NYKIEL, Assistant (one year from July 1, 1962)<sup>2</sup>  
 ROBERT S. ROSNAGLE, Assistant (one year from July 1, 1962)<sup>2</sup>  
 WILLIAM M. SERMONTE, Assistant (one year from July 1, 1962)<sup>2</sup>  
 HAROLD SMALL, Assistant (one year from July 1, 1962)<sup>2</sup>  
 JOSE SMOLER, Assistant (one year from July 1, 1962)<sup>2</sup>  
 ROBERT JAMES TOOHILL, Assistant (one year from July 1, 1962)<sup>2</sup>  
 JOSEPH P. VELEK, JR., Assistant (one year from July 1, 1962)<sup>2</sup>

#### Pathology

GEORGE M. HASS, Professor  
 LESTER S. KING, Clinical Professor  
 CHARLES E. CAHN-BRONNER, Professorial Lecturer, *Emeritus*  
 JERRY J. KEARNS, Clinical Associate Professor, *Emeritus*  
 JOHN P. AYER, Associate Professor (DY)  
 FREDERICK C. BAUER, JR., Clinical Associate Professor  
 HAROLD A. GRIMM, Clinical Associate Professor  
 GRANT C. JOHNSON, Clinical Associate Professor  
 COYE C. MASON, Clinical Associate Professor  
 MARTIN A. SWERDLOW, Clinical Associate Professor  
 JAMES R. THOMPSON, Clinical Associate Professor  
 ROBERT W. ALEXANDER, Assistant Professor  
 RAYMOND A. CLASEN, Assistant Professor  
 REUBEN EISENSTEIN, Assistant Professor  
 DOROTHY E. ESHBAUGH, Clinical Assistant Professor  
 WERNER R. FLEISCHER, Clinical Assistant Professor  
 FREDERIC O. FLOBERG, Lecturer in Legal Medicine with rank of Assistant Professor  
 FRANZ E. HIRSCH, Lecturer with rank of Clinical Assistant Professor  
 ROBERT V. HOFFMAN, JR., Clinical Assistant Professor  
 ALBERT W. SCHWEITZER, Clinical Assistant Professor  
 JONAS VALAITIS, Clinical Assistant Professor  
 PAUL A. VAN PERNIS, Clinical Assistant Professor  
 JAMES E. HABEGGER, Clinical Associate  
 JOHN E. MALONEY, Clinical Associate  
 HECTOR A. BATTIFORA, Instructor (one year from July 1, 1962)<sup>2</sup>  
 JOSEPH C. ERWIN, Clinical Instructor  
 JOSEPH J. HOSEK, Instructor (one year from July 1, 1962)<sup>2</sup>  
 VICTOR R. JABLOKOW, Clinical Instructor  
 IRWIN K. KLINE, Clinical Instructor  
 THOMAS D. MAHONY, Instructor (one year from July 1, 1962)<sup>2</sup>  
 ERNEST R. POHLMAN, Instructor (one year from July 1, 1962)<sup>2</sup>  
 SEYMOUR ROSEN, Instructor (one year from July 1, 1962)<sup>2</sup>  
 JAMES A. SURVIS, Instructor (one year from July 1, 1962)<sup>2</sup>  
 JAMES T. BOLAN, Assistant (one year from July 1, 1962)<sup>2</sup>  
 ROBERT C. MINSEK, Assistant (one year from July 1, 1962)<sup>2</sup>  
 BYRON RUSKIN, Assistant (one year from July 1, 1962)<sup>2</sup>  
 MOHSEN SHAKERIN, Assistant (one year from July 1, 1962)<sup>2</sup>  
 ROGER D. SMITH, Assistant (one year from July 1, 1962)<sup>2</sup>  
 MOSTAFA J. TABATABAI, Assistant (one year from July 1, 1962)<sup>2</sup>  
 MALCOLM V. VYE, Assistant (one year from July 1, 1962)<sup>2</sup>

**Pediatrics**

ALFRED D. BIGGS, Clinical Professor, *Emeritus*  
CRAIG D. BUTLER, Clinical Professor (Rush), *Emeritus*  
CLIFFORD GRULEE, Clinical Professor (Rush), *Emeritus*  
ARCHIBALD L. HOYNE, Clinical Professor (Rush), *Emeritus*  
HUGH McCULLOCH, Lecturer with rank of Professor, *Emeritus*  
JOSEPH RALPH CHRISTIAN, Professor  
JOSEPH GREENGARD, Clinical Professor  
C. JACK HARRISON, Clinical Professor (Rush)  
SAMUEL J. HOFFMAN, Clinical Professor  
NOEL G. SHAW, Clinical Professor (Rush)  
CHARLES K. STULIK, Clinical Associate Professor (Rush), *Emeritus*  
LAWRENCE BRESLOW, Clinical Associate Professor  
WARREN R. DAMMERS, Clinical Associate Professor  
LOUIS J. HALPERN, Clinical Associate Professor  
HARRY LEICHENGER, Clinical Associate Professor  
MATTHEW M. LEWISON, Clinical Associate Professor (Rush)  
DANIEL J. PACHMAN, Clinical Associate Professor  
IRVING B. RICHTER, Clinical Associate Professor  
NORMAN T. WELFORD, Clinical Associate Professor (Rush)  
DOROTHY H. WELKER, Clinical Associate Professor  
WOODRUFF L. CRAWFORD, Clinical Assistant Professor, *Emeritus*  
MAGNUS H. AGUSTSSON, Clinical Assistant Professor  
RENE A. ARCILLA, Clinical Assistant Professor  
SAMUEL H. BARRON, Clinical Assistant Professor  
HANS G. BUCHELERES, Clinical Assistant Professor  
MARIANNE P. BUDZEIKA, Clinical Assistant Professor  
E. H. CHRISTOPHERSON, Clinical Assistant Professor  
VERNON RICHARD DEYOUNG, Clinical Assistant Professor  
JOHN B. HALL, Clinical Assistant Professor  
MILDRED R. JACKSON, Clinical Assistant Professor  
HARVEY KRAVITZ, Clinical Assistant Professor  
HERMAN B. LANDER, Clinical Assistant Professor  
BESSIE L. LENDRUM, Clinical Assistant Professor  
RONALD B. MACK, Clinical Assistant Professor  
HARRY T. NAGEL, Clinical Assistant Professor  
BRUCE B. NEWMAN, Clinical Assistant Professor  
HOMER S. PARKER, Clinical Assistant Professor  
MILDRED J. POLNIASZEK, Clinical Assistant Professor  
KLARA JUDITH PREC, Clinical Assistant Professor  
MARTIN SACKS, Clinical Assistant Professor  
IRENE SHMIGELSKY, Clinical Assistant Professor  
CHARLES E. STEPAN, Clinical Assistant Professor  
CHARLES L. SWARTS, Clinical Assistant Professor  
SAMUEL THOMAS, Clinical Assistant Professor  
A. A. WOLF, Clinical Assistant Professor  
JUAN PEDRO BICOFF, Clinical Instructor  
BOHDAN STEPHAN CELEWYCZ, Clinical Instructor  
JULIA YU CHAO, Clinical Instructor  
DANIEL G. CUNNINGHAM, Clinical Instructor  
MEL WARREN FEINBERG, Clinical Instructor  
SAMUEL PETER GOTOFF, Clinical Instructor  
EDWARD KENNETH ISAACSON, Clinical Instructor  
CLAY HENRY JONES, Jr., Clinical Instructor  
ELIZABETH KELLER, Clinical Instructor  
DOLORES E. KNOBLOCK, Clinical Instructor  
VICTOR M. LO PRIORE, Clinical Instructor  
JEROME J. LUBIN, Clinical Instructor  
SILVIO DAVID MORALES, Clinical Instructor  
KENNETH S. NOLAN, Clinical Instructor  
STEPHEN PAWLYNSKYJ, Clinical Instructor  
ISIDRO PEREZ, Clinical Instructor



PHILIP LEON WACHTEL, Clinical Instructor  
EVELYN M. ANDERSON, Assistant (one year from July 1, 1962)<sup>2</sup>  
JOAN M. ARBOIT, Assistant (one year from July 1, 1962)<sup>2</sup>  
PETER M. BAKER, Assistant (one year from July 1, 1962)<sup>1</sup>  
ALICE P. BLATT, Assistant (one year from July 1, 1962)<sup>1</sup>  
GERALD EDELSTEIN, Assistant (one year from July 1, 1962)<sup>1</sup>  
RONALD ERICKSON, Assistant (one year from July 1, 1962)<sup>2</sup>  
WILLIAM HARTNETT, Assistant (one year from July 1, 1962)<sup>1</sup>  
MARION E. JOHNSON, Assistant (eight months from October 1, 1962)<sup>1</sup>  
BAHMAN JOORABSCHI, Assistant (one year from July 1, 1962)<sup>2</sup>  
RAYMOND KILEY, Assistant (one year from July 1, 1962)<sup>2</sup>  
CHARLES LIMP, Assistant (one year from July 1, 1962)<sup>1</sup>  
EDDIE S. MOORE, Assistant (one year from July 1, 1962)<sup>2</sup>  
ERNESTO P. NAMIN, Clinical Assistant (ten months from September 1, 1962)  
MARGARET H. O'NEAL, Assistant (one year from July 1, 1962)<sup>1</sup>  
MARY V. RAMEY, Assistant (one year from July 1, 1962)<sup>1</sup>  
RUSSELL Y. SNOW, Assistant (September 15, 1962 to June 30, 1962)<sup>2</sup>

#### Pharmacology

CHESTER J. CAVALLITO, Lecturer with rank of Professor  
VICTOR A. DRILL, Lecturer with rank of Professor  
HARRIS ISBELL, Lecturer with rank of Professor

#### Physical Medicine and Rehabilitation

H. WORLEY KENDELL, Clinical Professor  
REUBEN R. WASSERMAN, Clinical Associate Professor  
KATE H. KOHN, Clinical Assistant Professor  
ROMAN R. ORYSHKEVICH, Clinical Instructor  
LUIS SALOMON, Clinical Instructor

#### Physiology

HAROLD E. HIMWICH, Lecturer with rank of Professor  
CHESTER W. DARROW, Associate Professor, *Emeritus*

#### Preventive Medicine

THOMAS G. HULL, Lecturer with rank of Associate Professor, *Emeritus*  
JERMYN F. MCCAHAN, Clinical Associate Professor  
HAROLD W. SPIES, Clinical Associate Professor  
ERNEST B. ZEISLER, Clinical Associate Professor  
SAMUEL L. ANDELMAN, Lecturer with rank of Assistant Professor  
JOYCE C. LASHOF, Assistant Professor  
HAROLD H. STEINBERG, Clinical Assistant Professor  
AGNES D. L. GOSS, Clinical Instructor  
RAYMOND W. STEBLAY, Clinical Instructor  
WILLIAM I. METZGER, Research Associate  
DAVID M. KESSNER, Clinical Assistant

#### Psychiatry

ROY R. GRINKER, Clinical Professor  
PAUL E. NIELSON, Professor  
VLADIMIR G. URSE, Clinical Professor  
JACK WEINBERG, Clinical Professor  
HARRY R. HOFFMAN, Clinical Associate Professor (Rush), *Emeritus*  
WILLIAM H. HAINES, Clinical Associate Professor  
ARTHUR A. MILLER, Clinical Associate Professor  
DONALD A. R. MORRISON, Clinical Associate Professor  
ALAN K. ROSENWALD, Clinical Associate Professor of Psychology  
STEPHEN L. SHERWOOD, Clinical Associate Professor of Neuropsychophysiology  
ALFRED P. SOLOMON, Clinical Associate Professor  
ANNE BENJAMIN, Clinical Associate Professor (DY)  
MAURICE KAPLAN, Clinical Associate Professor (DY)  
ROBERT G. McMILLAN, Clinical Associate Professor (DY)  
RAYMOND E. ROBERTSON, Clinical Associate Professor (DY)

MORRIS M. ROSENTHAL, Clinical Associate Professor (DY)  
LESTER RUDY, Clinical Associate Professor (DY)  
ALFONSO SHIMBEL, Lecturer with rank of Associate Professor  
W. DAVID STEED, Clinical Associate Professor (DY)  
JACOB PASKIND, Clinical Assistant Professor, *Emeritus*  
JAMES M. ALEXANDER, Clinical Assistant Professor  
SOL ALTSCHUL, Clinical Assistant Professor  
CLARESA M. ARMSTRONG, Clinical Assistant Professor  
BERNARD M. ARONOV, Assistant Professor of Psychology  
HOWARD G. ARONSON, Clinical Assistant Professor  
E. ELIOT BENEZRA, Clinical Assistant Professor  
LEON BERNSTEIN, Clinical Assistant Professor  
RICHARD BOLIN, Clinical Assistant Professor  
DAVID D. BROCKMAN, Clinical Assistant Professor  
JAMES A. BUETTNER, Clinical Assistant Professor  
HELEN B. CARLSON, Clinical Assistant Professor  
DAVID I. CHEIFETZ, Assistant Professor of Psychology  
PAULINE M. COOKE, Clinical Assistant Professor  
THOMAS N. DAVIS III, Clinical Assistant Professor  
ALBERTO DE LA TORRE, Clinical Assistant Professor  
ROBERT C. DRYE, Clinical Assistant Professor  
SYDNEY B. EISEN, Clinical Assistant Professor  
ARTHUR S. ELSTEIN, Assistant Professor of Psychology  
FRANK F. EVANS, Clinical Assistant Professor  
LOWELL I. GOODMAN, Clinical Assistant Professor  
ALFRED G. GREEN, Clinical Assistant Professor  
HAROLD A. GREENBERG, Clinical Assistant Professor  
BERNARD L. GREENE, Clinical Assistant Professor  
DAVID P. GROSS, Clinical Assistant Professor  
FREDERICK V. GWYER, Clinical Assistant Professor  
JOHN E. HALASZ, Clinical Assistant Professor  
LOUIS HALPERIN, Clinical Assistant Professor  
JOHN W. HANNT, Clinical Assistant Professor  
DAVID S. HARMAN, Clinical Assistant Professor  
IRVING D. HARRIS, Clinical Assistant Professor  
ELSTIE L. HAUG, Clinical Assistant Professor  
NOEL S. JENKIN, Clinical Assistant Professor in Psychology  
LOUIS JENSEN, Clinical Assistant Professor  
WALTER KITT, Clinical Assistant Professor  
GEORGE H. KLUMPNER, Clinical Assistant Professor  
RICHARD C. KOENIG, Clinical Assistant Professor  
ROBERT H. KOFF, Clinical Assistant Professor  
GUSTAVO LAGE, Clinical Assistant Professor  
DAVID LEVITIN, Clinical Assistant Professor  
SAMUEL LIERMAN, Clinical Assistant Professor  
BERNARD I. LIFSON, Clinical Assistant Professor  
JOAN LONGINI, Clinical Assistant Professor  
NORMA MASON, Clinical Assistant Professor  
WARREN G. MCPHERSON, Clinical Assistant Professor  
JULIAN MILLER, Clinical Assistant Professor  
VICTOR MINTER, Clinical Assistant Professor  
EVAN G. MOORE, Clinical Assistant Professor  
WILLIAM H. MURRAY, Clinical Assistant Professor  
JOSEPH G. NEMECEK, Clinical Assistant Professor  
MELVIN D. NUDELMAN, Clinical Assistant Professor  
DONALD OKEN, Clinical Assistant Professor  
GEORGE L. PERKINS, Clinical Assistant Professor  
KLARA G. RANKY, Clinical Assistant Professor  
ALAN M. ROBERTSON, Clinical Assistant Professor  
HENRY L. RUEHR, Clinical Assistant Professor  
ARTHUR SABLE, Clinical Assistant Professor  
MARVIN SCHWARZ, Clinical Assistant Professor

HARRY M. SEGENREICH, Clinical Assistant Professor  
CHARLES H. SHAIKOV, Clinical Assistant Professor  
MORRIS A. SKLANSKY, Clinical Assistant Professor  
JEANNE SPURLOCK, Clinical Assistant Professor  
ALVIN SUSLICK, Clinical Assistant Professor  
THOMAS T. TOURLENTES, Clinical Assistant Professor  
SAMUEL A. VICTOR, Clinical Assistant Professor  
WILLIAM WEISDORF, Clinical Assistant Professor  
DONOVAN G. WRIGHT, Clinical Assistant Professor  
MARVIN ZIPORYN, Clinical Assistant Professor  
HEDWIG C. BAKONY, Clinical Instructor  
MARJORIE C. BARNETT, Clinical Instructor  
GENE H. BOROWITZ, Instructor<sup>4</sup>  
ERIC G. BRUNNGRABER, Clinical Instructor in Biochemistry  
DAVID W. BUCK, Clinical Instructor  
JOSE M. CASTILLO, Instructor  
OSCAR DAVIS, Instructor<sup>4</sup>  
PIETER DEVRIJER, Clinical Instructor  
DAVID C. GARRON, Instructor in Psychology  
JAY G. HIRSCH, Clinical Instructor  
MARCUS A. JACOBSON, Clinical Instructor  
JEROME I. KATZ, Clinical Instructor  
LEO V. KEMPTON, Clinical Instructor  
ARTHUR KLING, Clinical Instructor  
CHARLES H. KRAMER, Clinical Instructor  
ANA MARQUINEZ, Clinical Instructor  
ARTHUR H. NORTON, Clinical Instructor  
ROBERT E. NYQUIST, Clinical Instructor  
DANIEL OFFER, Clinical Instructor  
FRANCES C. PERCE, Clinical Instructor in Psychology  
SARAH R. PESKIND, Clinical Instructor in Psychology  
WILLIAM J. PIEFER, Instructor<sup>4</sup>  
LEONARD RACK, Clinical Instructor  
BARBARA S. ROCAH, Clinical Instructor  
RICHARD K. SASKILL, Clinical Instructor  
DONALD D. SCHWARTZ, Clinical Instructor  
ARLENE J. SMITH, Clinical Instructor  
MORTON S. TABIN, Clinical Instructor  
JOHN D. VAN FELT, Instructor in Psychology  
HERBERT WEINSTEIN, Clinical Instructor in Psychology  
JOHN M. WHITMAN, Clinical Instructor  
DAGA M. WIED, Clinical Instructor  
KARL L. WILLRICH, Clinical Instructor  
ARTHUR A. WOLOSHIN, Clinical Instructor  
GABRIELLE S. WOLOSHIN, Instructor<sup>2</sup>  
ROBERT I. YUFIT, Clinical Instructor in Psychology  
ORESTE ZALIS, Clinical Instructor

#### Public Health

EDWARD A. PISZCZEK, Clinical Associate Professor  
HERBERT K. ABRAMS, Clinical Assistant Professor  
LEROY L. FATHERREE, Lecturer with rank of Assistant Professor  
CLARENCE W. KLASSEN, Assistant Professor  
HERBERT E. MCDANIELS, Assistant Professor  
KENNETH M. MORSE, Lecturer with rank of Assistant Professor  
W. FRANKLIN DOVE, Research Associate

#### Radiology

FAY H. SQUIRE, Professor (Rush)  
DAVID S. BEILIN, Clinical Associate Professor, *Emeritus*  
RICHARD E. BUENGER, Associate Professor  
JOHN W. CLARK, Associate Professor  
SAMUEL A. LEADER, Clinical Associate Professor

ISRAEL E. KIRSH, Associate Professor (DY)  
 FRANKLIN S. ALCORN, Assistant Professor  
 MAURICE L. BOGDONOFF, Assistant Professor  
 BENJAMIN D. BRAUN, Clinical Assistant Professor  
 ARLENE A. HALKO, Clinical Assistant Professor  
 FRANK R. HENDRICKSON, Assistant Professor  
 JULIUS HEYDEMANN, Clinical Assistant Professor  
 GEORGE G. HIRBS, Assistant Professor  
 BILLY JAY HILL, Assistant Professor  
 JACQUES OVADIA, Clinical Assistant Professor  
 RALPH H. BAEHR, Instructor<sup>1</sup>  
 LEONARD BERLIN, Instructor<sup>2</sup>  
 EUGENE K. BORCHART, Instructor<sup>2</sup>  
 ERNEST W. FORDHAM, Instructor<sup>3</sup>  
 FRANK L. HUSSEY, Clinical Instructor  
 KENNETH J. MAIER, Instructor  
 EDWARD A. MCGINNIS, Instructor<sup>1</sup>  
 CHARLES W. SAMET, Instructor<sup>1</sup>  
 RICHARD T. BERGERON, Assistant<sup>2</sup>  
 ANTHONY CHUNG-BIN, Assistant  
 JOHN T. McMANUS, Assistant<sup>1</sup>  
 EDWARD I. MILLER, Assistant<sup>2</sup>  
 GLADYS L. OLSON, Assistant<sup>2</sup>  
 MARVIN O. TREPTON, Assistant<sup>1</sup>  
 HAROLD N. WALGREN, Assistant<sup>1</sup>

### Surgery

HILLIER L. BAKER, Clinical Professor (Rush), *Emeritus*  
 EDWIN M. MILLER, Clinical Professor (Rush), *Emeritus*  
 OSCAR E. NADEAU, Clinical Professor, *Emeritus*  
 EDWARD J. BEATTIE, JR., Professor  
 EGBERT H. FELL, Clinical Professor (Rush)  
 RICHARD K. GILCHRIST, Clinical Professor (Rush)  
 PAUL W. GREELEY, Clinical Professor  
 HILGER P. JENKINS, Lecturer with rank of Professor  
 HIRAM T. LANGSTON, Clinical Professor  
 JOHN H. OLWIN, Clinical Professor (Rush)  
 FRANCIS H. STRAUS, Clinical Professor (Rush)  
 PHILIP THOREK, Clinical Professor  
 WILLIAM H. HAZLETT, Clinical Associate Professor, *Emeritus*  
 FRANK J. JIRKA, Associate Professor, *Emeritus*  
 JOHN D. KOUCKY, Clinical Associate Professor, *Emeritus*  
 WILL F. LYON, Clinical Associate Professor, *Emeritus*  
 RUDOLPH J. E. ODEN, Associate Professor, *Emeritus*  
 MORRIS L. PARKER, Clinical Associate Professor, *Emeritus*  
 LOUIS W. SCHULTZ, Clinical Associate Professor of Oral Surgery, *Emeritus*  
 CARL B. DAVIS, JR., Clinical Associate Professor  
 WILLIS G. DIFFENBAUGH, Clinical Associate Professor  
 ARTHUR E. DIGGS, Clinical Associate Professor (Rush)  
 WILLIAM S. DYE, JR., Clinical Associate Professor  
 EARL GARSIDE, Clinical Associate Professor  
 CHESTER C. GUY, Clinical Associate Professor  
 BURTON C. KILBOURNE, Clinical Associate Professor  
 STANLEY E. LAWTON, Clinical Associate Professor (Rush)  
 FOSTER L. McMILLAN, Clinical Associate Professor  
 CLARENCE MONROE, Clinical Associate Professor (Rush)  
 LINDON SEED, Clinical Associate Professor  
 HARRY W. SOUTHWICK, Clinical Associate Professor  
 EVERETT L. STROHL, Clinical Associate Professor  
 FRANK V. THEIS, Clinical Associate Professor  
 CARL O. ALMQUIST, Clinical Assistant Professor  
 RAYMOND E. ANDERSON, Clinical Assistant Professor  
 CHARLES D. BRANCH, Clinical Assistant Professor

C. DAVID BROWN, Clinical Assistant Professor  
ROBERT G. CANTHAM, Clinical Assistant Professor  
JOSEPH P. CANNON, Clinical Assistant Professor  
JAMES H. CROSS, Clinical Assistant Professor  
WARD H. EASTMAN, Clinical Assistant Professor  
MELVIN I. GIBBEL, Clinical Assistant Professor  
WILLIAM J. GILLESBY, Clinical Assistant Professor  
RAYMOND GREEN, Clinical Assistant Professor  
VERNON L. GUYNN, Clinical Assistant Professor  
RONALD G. HALEY, Clinical Assistant Professor  
RUSSELL C. HANSELMAN, Clinical Assistant Professor  
HARRY G. HARDT, JR., Clinical Assistant Professor  
WILLIAM H. HARRIDGE, Clinical Assistant Professor  
ROBERT A. HESS, Clinical Assistant Professor  
VERNON Z. HUTCHINGS, Clinical Assistant Professor  
CARL IRENEUS, JR., Clinical Assistant Professor  
ROBERT W. JAMIESON, Clinical Assistant Professor  
FRANK R. JOHNSON, Clinical Assistant Professor  
GEORGE D. KAISER, Clinical Assistant Professor  
FRANCES E. KNOCK, Clinical Assistant Professor  
JOHANNES L. KOPPEL, Assistant Professor in Biochemistry  
WILLIAM E. LOOBY, Clinical Assistant Professor  
KENNETH L. MATSON, Clinical Assistant Professor  
HAROLD I. MEYER, Clinical Assistant Professor  
FRANK J. MILLOY, JR., Clinical Assistant Professor  
GEORGE A. OLANDER, Clinical Assistant Professor  
JOHN R. ORNDORFF, Clinical Assistant Professor  
JOHN H. PRIBBLE, Clinical Assistant Professor  
THOMAS SELLETT, Clinical Assistant Professor  
PHILIP SHAMBAUGH, Clinical Assistant Professor  
WILLIAM D. SHOREY, Clinical Assistant Professor  
ROBERT F. STOKES, Clinical Assistant Professor  
MILAN M. WASICK, Clinical Assistant Professor  
MILTON WEINBERG, JR., Clinical Assistant Professor  
CARL Y. WERELIUS, Clinical Assistant Professor  
LEON J. WITKOWSKI, Clinical Assistant Professor  
BURTON R. BANCROFT, JR., Instructor (one year from July 1, 1962)<sup>1</sup>  
JOHN H. BANCROFT, Instructor (one year from July 1, 1962)<sup>1</sup>  
WALTER L. BARKER, Instructor (one year from July 1, 1962)<sup>3</sup>  
EUGENE A. BROCCOLO, Clinical Instructor  
DONALD M. BUCKNER, Instructor (one year from July 1, 1962)<sup>3</sup>  
JACKSON E. CAGLE, JR., Clinical Instructor  
JAMES C. CAREY, Instructor (one year from July 1, 1962)<sup>5</sup>  
MOHAMMAD A. CHEEMA, Clinical Instructor  
NOBLE CORRELL, Clinical Instructor  
EDWARD A. DAINKO, Instructor (one year from July 1, 1962)<sup>1</sup>  
LAWRENCE A. FAGARASON, Instructor (one year from July 1, 1962)<sup>3</sup>  
ERNEST M. FEILER, Clinical Instructor  
GLENN W. FISCUS, Clinical Instructor  
JOHN W. FRISCH, Clinical Instructor  
ANDRES GABEL, Clinical Instructor (fourteen months from July 1, 1962)  
GORDON H. GLASSFORD, Clinical Instructor (fourteen months from July 1, 1962)  
LEONARD GRAIVIER, Instructor (one year from July 1, 1962)<sup>6</sup>  
SAMUEL L. HAMILTON, Clinical Instructor  
HOWARD H. HAMLIN, Clinical Instructor  
IRWIN HARRIS, Clinical Instructor (fourteen months from July 1, 1962)  
JOSEPH F. HINKAMP, Clinical Instructor  
LOREN J. HUMPHREY, Instructor (one year from July 1, 1962)<sup>3</sup>  
JOHANNES M. L. JENSEN, Clinical Instructor  
JOHN M. KENWELL, Instructor (one year from July 1, 1962)<sup>1</sup>  
ANDREW KIRSTEINS, Clinical Instructor  
CHARLES J. KOUCKY, Clinical Instructor  
ARTHUR G. LAWRENCE, Clinical Instructor

WALTER R. LAWRENCE, Instructor (one year from July 1, 1962)<sup>2</sup>  
 OSCAR S. LENIT, JR., Clinical Instructor  
 DAVID R. LEWIS, Clinical Instructor  
 LEROY LONG, Instructor (one year from July 1, 1962)<sup>2</sup>  
 JOSEPH R. McANDREW, Clinical Instructor  
 RANDALL E. McNALLY, Clinical Instructor  
 CHAFICK N. MANSOUR, Clinical Instructor  
 JAMES H. MASON, Instructor (one year from July 1, 1962)<sup>2</sup>  
 HASSAN NAJAFI, Clinical Instructor  
 ROGER A. OTT, Instructor (one year from July 1, 1962)<sup>2</sup>  
 ROBERT J. OVERSTREET, Clinical Instructor  
 GEORGE L. PASTNACK, Clinical Instructor  
 EDELL G. PAUL, Clinical Instructor  
 HAROLD A. PAUL, Clinical Instructor  
 MARTIN PEPPER, Clinical Instructor  
 EDGAR R. PICKEN, Clinical Instructor  
 MORRIS M. PROFFITT, Clinical Instructor  
 JOHN G. RAFFENSPERGER, Clinical Instructor  
 ALFRED RASMUSSEN, Clinical Instructor  
 OLIVER V. RENAUD, Clinical Instructor  
 LEO E. ROBERTSON, Instructor (one year from July 1, 1962)<sup>2</sup>  
 WENDELL H. SCHMIDTKE, Instructor (one year from July 1, 1962)<sup>2</sup>  
 RICHARD C. SCHULTZ, Clinical Instructor  
 JOHN M. SOMERNDIKE, Instructor (one year from July 1, 1962)<sup>2</sup>  
 RICHARD A. TARIZZO, Clinical Instructor (fourteen months from July 1, 1962)  
 EDWARD S. TRUPPMAN, Instructor (one year from July 1, 1962)<sup>2</sup>  
 ROBERT B. WHITE, Clinical Instructor  
 MICHAEL F. WITANOWSKI, Clinical Instructor  
 KARL F. BADER, JR., Assistant (one year from July 1, 1962)<sup>2</sup>  
 ROBERT A. BEATTY, Assistant (one year from July 1, 1962)<sup>2</sup>  
 THOMAS O. BRACKETT, Assistant (one year from July 1, 1962)<sup>2</sup>  
 J. ANTHONY BROWN, Assistant (one year from July 1, 1962)<sup>2</sup>  
 RICHARD G. CALDWELL, Assistant (one year from July 1, 1962)<sup>2</sup>  
 ALEXANDER DOOLAS, Assistant (one year from July 1, 1962)<sup>2</sup>  
 JAY D. ELLENBY, Assistant (on leave of absence for military service)  
 ROBERT P. GORDON, JR., Assistant (one year from July 1, 1962)<sup>2</sup>  
 ALLAN L. GRAHAM, Assistant (one year from July 1, 1962)<sup>2</sup>  
 JOHN W. HENGESH, Research Assistant (on leave of absence for military service)  
 WILLIAM R. JEWEL, Assistant (one year from July 1, 1962)<sup>2</sup>  
 OLGA M. JONASSON, Assistant (one year from July 1, 1962)<sup>2</sup>  
 JOHN A. KOZAK, Assistant (one year from July 1, 1962)<sup>2</sup>  
 HARVEY J. LEVIN, Assistant (one year from July 1, 1962)<sup>2</sup>  
 FERN E. LIKHTE, Assistant (one year from July 1, 1962)<sup>2</sup>  
 LARRY O. MCKNELLY, Assistant (one year from July 1, 1962)<sup>2</sup>  
 ROGER L. MEHL, Assistant (one year from July 1, 1962)<sup>2</sup>  
 JOHN J. MINSTER, Assistant (one year from July 1, 1962)<sup>2</sup>  
 PARVIZ PARSIA, Assistant (one year from July 1, 1962)<sup>2</sup>  
 MARVIN M. ROMSDAHL, Assistant (one year from July 1, 1962)<sup>2</sup>  
 ETHAN B. RUBEN, Assistant (one year from July 1, 1962)<sup>2</sup>  
 JAMES A. SANDROLINI, Assistant (one year from July 1, 1962)<sup>2</sup>  
 JOSEPH D. SCHMIDT, Assistant (one year from July 1, 1962)<sup>2</sup>  
 WAYNE N. SWENSON, Assistant (one year from July 1, 1962)<sup>2</sup>  
 GERRY R. TUVESON, Assistant (one year from July 1, 1962)<sup>2</sup>  
 KENNETH R. VANDER VENNET, Assistant (one year from July 1, 1962)<sup>2</sup>  
 CHARLES H. WILLIAMS, Assistant (one year from July 1, 1962)<sup>2</sup>

#### Division of Urology

NORRIS J. HECKEL, Clinical Professor (Rush)  
 EDWIN C. GRAF, Clinical Associate Professor  
 THEOPHIL P. GRAUER, Clinical Associate Professor  
 JAMES W. MERRICKS, JR., Clinical Associate Professor (Rush)  
 GEORGE O. BAUMRUCKER, Clinical Assistant Professor  
 JOHN P. BLANDY, Clinical Assistant Professor

JOSEPH S. DRABANSKI, Clinical Assistant Professor  
R. ROSS HAEGER, Clinical Assistant Professor  
WILLARD C. MEYER, Clinical Assistant Professor  
FRANK B. PAPIERNIAK, Clinical Assistant Professor  
COLQUITT O. RITCH, Clinical Assistant Professor  
FREDERICK SCHACHT, Clinical Assistant Professor  
CARL D. BERRY, JR., Clinical Instructor  
JAMES A. CALAMS, Clinical Instructor  
DANIEL H. CALLAHAN, Clinical Instructor  
THOMAS L. C. COTTRELL, Clinical Instructor  
ENGİN DENİZ, Clinical Instructor  
ALFONSO DIAZ, Clinical Instructor  
CHARLES F. MCKIEL, JR., Clinical Instructor (fourteen months from July 1, 1962)  
JAMES C. VALENTA, Clinical Instructor  
CYRIL C. WIGGISHOFF, Clinical Instructor  
WILLARD J. SMITH, Assistant (one year from July 1, 1962)<sup>2</sup>

#### Division of Anesthesiology

ERNST T. MORCH, Clinical Professor  
PAUL W. SEARLES, Clinical Professor  
MARY M. LYONS, Clinical Associate Professor (Rush), *Emerita*  
JOHN L. SCHMIDT, Clinical Associate Professor (DY)  
JOHN E. CAWLEY, Clinical Assistant Professor  
MYRON J. LEVIN, Clinical Assistant Professor  
HERBERT E. NATOF, Clinical Assistant Professor  
JOSEPH E. REMLINGER, Clinical Assistant Professor  
DIGBY G. SEYMOUR, Clinical Assistant Professor  
ARTHUR T. SHIMA, Clinical Assistant Professor  
HERSHELL L. KEELING, Clinical Associate  
HOWARD H. BERLIN, Clinical Instructor  
GWEN GLEAVE, Clinical Instructor  
EILEEN HECKEL, Clinical Instructor  
DAVID KATZ, Clinical Instructor  
JOHN NELSON, Clinical Instructor  
STANKA K. PAPRIKOFF, Clinical Instructor  
RAYMOND F. ROSE, Clinical Instructor  
LESTER SCHWARTZ, Clinical Instructor  
VIVENTE B. SANTELICES, Instructor (one year from July 1, 1962)<sup>4</sup>  
MAURICE M. TENNANT, Clinical Instructor  
DAN A. VALENTI, Clinical Instructor  
RASMA V. VITRINGS, Clinical Instructor  
VERNON E. WALLACE, Clinical Instructor  
RONALD F. ALBRECHT, Assistant (one year from July 1, 1962)<sup>2</sup>  
THOMAS L. ASHCRAFT, Clinical Assistant  
ELEUTERIO CARREIRA, Assistant (one year from July 1, 1962)<sup>2</sup>  
CARLETON E. DANGREMOND, Clinical Assistant  
ALBERTO L. FLEITES, Assistant (one year from July 1, 1962)<sup>3</sup>  
MARY E. GRACE, Assistant (one year from July 1, 1962)<sup>3</sup>  
FLOYD N. HELLER, Assistant (one year from July 1, 1962)<sup>3</sup>  
JAIME ILLEL, Assistant (one year from July 1, 1962)<sup>2</sup>  
YAROSLAV KOKORUDZ, Assistant (one year from July 1, 1962)<sup>2</sup>  
HECTOR R. LEON, Assistant (one year from July 1, 1962)<sup>1</sup>  
WILLIAM R. MELBY, Clinical Assistant  
CHARLES W. PASTIKA, Assistant (one year from July 1, 1962)<sup>2</sup>  
MADDALENA F. PASTIKA, Assistant (one year from July 1, 1962)<sup>2</sup>  
FRANK RAYMON, JR., Assistant (one year from July 1, 1962)<sup>4</sup>  
PABLO M. RIVERA, Assistant (one year from July 1, 1962)<sup>2</sup>  
MANUEL V. RODRIGUEZ, Assistant (one year from July 1, 1962)<sup>2</sup>  
LOUIS ROE, Assistant (one year from July 1, 1962)<sup>3</sup>  
EARL A. SABIN, Assistant (one year from July 1, 1962)<sup>3</sup>  
ASTRID A. SILINS, Clinical Assistant (fourteen months from July 1, 1962)  
THOURAYA A. SOKKAR, Assistant (one year from July 1, 1962)<sup>3</sup>  
EDWARD T. TOYOOKA, Assistant (one year from July 1, 1962)<sup>3</sup>

**REAPPROPRIATION OF UNEXPENDED BALANCES  
AS OF JUNE 30, 1962**

(4) The Vice-President and Comptroller recommends that the following balances and overdrafts in budget appropriations and appropriations for special projects not completed on June 30, 1962, be carried forward for the fiscal year beginning July 1, 1962, in accordance with usual policy.

I concur.

*Urbana-Champaign*

General administration and expense.....	\$105 621		
Microfilming records.....	\$ 2 130		
Special legal services.....	1 811		
Public Information, state fair exhibit.....	2 340		
Provost, instructional television in other departments.....	17 864	24 145	\$129 766
Agriculture.....			113 943
Commerce and Business Administration.....			10 345
Education.....	985 <sup>1</sup>		
Educational testing microfilming records.....	3 717		2 732
Engineering.....			45 144
Fine and Applied Arts.....			17 822
Graduate College.....			38 556 <sup>1</sup>
Journalism and Communications.....			5 873
Law.....			73 <sup>1</sup>
Liberal Arts and Sciences.....	20 821		
Geography, Illinois resources atlas.....	1 426		22 247
Physical Education.....			2 287 <sup>1</sup>
University Extension.....			36 937
Veterinary Medicine.....			12 290
Other schools and colleges.....	10 468		
Institute of Aviation, electronic technology.....	13 500		23 968
Library and Library School.....			5 552
Physical Plant			
Regular operation and maintenance.....	45 138		
Renewals and replacements.....	172 625		
Prevailing wage rates unassigned.....	160 930		
Assembly Hall utilities.....	240 675		619 368
Unexpended plant			
Admissions and Records, special equipment.....	2 967		
Stenographic Service, duplicating equipment.....	3 400		
Industrial Relations, building and equipment.....	29 498		
Volatile Storage Building.....	5 028		
Dairy Science, minor buildings.....	6 718		
Temple Farm, improvements.....	1 176		
Dixon Springs, purchase of truck.....	5 308		
Timber testing machine.....	21 975		
Pell Farm, improvements.....	14 575		
Horticulture, prefabricated chambers.....	24 790		
Education Administration, special equipment.....	3 100		
Education, special equipment.....	1 891		
Industrial Education, special equipment.....	4 686		
Teacher Placement, special equipment.....	1 203		
University High School, special equipment.....	26 346		
Administration Building, remodeling room 203.....	2 504		
Administration Building, remodeling room 261.....	1 436		
Agricultural building remodeling.....	5 360		
Animal Sciences Laboratory, remodeling room 362.....	5 200		
Davenport Hall, remodeling meats laboratory.....	1 535		
David Kinley Hall, remodeling.....	1 499		
University High School, improvements.....	8 455		
Illini Hall, prefabricated sound room.....	7 437		
Huff Gymnasium, remodeling.....	1 120		
Dixon Springs, improvements.....	8 985		
1202 West Green Street, improvements.....	1 081		

<sup>1</sup> Deduct.



Vegetable Crops Building, improvements.....	1 760
Civil Engineering, special equipment.....	83 400
1203 West Nevada Street, remodeling.....	1 480
907 South Sixth Street, remodeling.....	4 307
Mechanical Engineering, analogue computer.....	8 000
Physics, equipment—National Science Foundation matching grant.....	25 000
Physics, special equipment.....	19 188
Theoretical and Applied Mechanics, testing machine.....	17 998
Architecture, special equipment.....	20 254
Art, special equipment.....	16 094
City Planning and Landscape Architecture, special equipment.....	3 294
Music, special equipment.....	3 381
Television cable and equipment.....	86 100
Language Laboratory, equipment.....	3 000
Anthropology, special equipment.....	1 019
Chemistry, equipment—National Science Foundation matching grant.....	25 000
Chemistry, special equipment.....	17 712
Geology, special equipment.....	4 730
Physiology, special equipment.....	1 948
Zoology, special equipment.....	1 369
Physical Education, special equipment.....	19 049
Health and Safety Education, special equipment.....	7 782
Physical Education for Women, special equipment.....	2 041
Tennis Courts, resurfacing and improvements.....	13 870
Veterinary Physiology and Pharmacology, special equipment.....	1 731
Armed Forces, special equipment.....	1 016
High lift tower.....	40 000
Classroom furniture.....	4 200
Coat hooks.....	10 000
Load lugger.....	2 500
Armory, remodeling.....	9 640
McKinley Hospital, nurse call system.....	16 000
Mumford Hall, remodeling room 406-408.....	3 280
Physics Building, remodeling.....	4 060
Law Building, auditorium renovation.....	11 000
Botany Annex, remodeling.....	5 408
Chemistry Annex, remodeling.....	50 000
Gregory Drive area, hitting wall.....	5 900
605 East Daniel Street, purchase.....	1 000
Radio telescope site, improvements.....	1 828
Accounting, special equipment.....	1 285
Admissions and Records, special equipment.....	1 745
Electron Microscope Laboratory.....	1 211
Dixon Springs, staff houses.....	1 443
Central Receiving Station.....	1 425
Agriculture Administration, special equipment.....	5 028
Commerce and Business Administration, equipment and remodeling.....	1 196
Armory, remodeling.....	30 058
McKinley Hospital, fire doors.....	6 678
McKinley Hospital, renovation.....	12 053
Dairy Manufactures Building, remodeling.....	1 267
Dairy Round Barns, remodeling.....	3 802
David Kinley Hall, remodeling.....	2 481
Architecture Building, improvements.....	13 677
Gregory Hall, room air conditioning.....	2 379
English Building, remodeling.....	2 087
Lincoln Hall, remodeling.....	3 239
Natural History Building, remodeling.....	1 937
Noyes Laboratory, remodeling.....	22 783

Huff Gymnasium, remodeling.....	1	605	
Dixon Springs, laboratory repair and replacement.....	2	864	
Quonset Building, remodeling.....	18	906	
Electrical Engineering, special equipment.....	10	612	
505 South Goodwin Avenue, remodeling.....	1	300	
1207 West Oregon Street, renovation.....	6	102	
Architecture, special equipment.....	1	693	
Graduate College, flexo-writer.....	1	395	
1208 West California Avenue, retaining wall.....	1	594	
Bicycle parking areas.....	5	549	
Bicycle lanes.....	2	403	
Stadium Drive, recreational area.....	12	079	
Storm sewer improvements.....	2	500	
Visual Aids, special equipment.....	11	914 <sup>1</sup>	
Library, special equipment.....	1	145	
Architectural studies for future buildings.....	43	119	
Electrical Engineering, bioacoustics laboratory.....	1	398	
Lighting in classrooms, improving.....	1	825	
Minor improvements.....	2	620	
Nursery relocation.....	1	077	
Parking facilities.....	2	252	
Remodeling and minor additions unassigned.....	17	571	
Nineteen items ranging from \$69 to \$895.....	7	790	1 003 871
<i>Total, Urbana-Champaign</i> .....			(2 008 942)
<i>Medical Center, Chicago</i>			
General administration and expense.....	2	282	
Estimates and alterations.....	5	633	
Reserve for nonrecurring items.....	2	749	8 382
Medicine.....			10 664
Dentistry.....			27 741
Pharmacy.....			3 250
Graduate College.....			476
Nursing.....			23 609
Physical Education for Men.....			387 <sup>1</sup>
Aeromedical Laboratory.....			2 550
Division of Services for Crippled Children.....			1 235 <sup>1</sup>
Research and Educational Hospitals.....			92 778
Library.....			103 286 <sup>1</sup>
Physical Plant.....			5 858
Regular operation and maintenance.....	61	876	
Renewals and replacements.....	57	051	
Medical Center Steam Plant.....	66	788	185 715
<i>Unexpended plant</i>			
Multilith machine.....	2	300	
Stacker numbering device and folder.....	1	895	
Ophthalmology, equipment.....	3	133	
Orthopaedics Center, rehabilitating.....	3	896	
Television equipment.....	9	221	
Pedodontics, equipment.....	21	442	
Manufacturing Pharmacy area, remodeling.....	3	350	
Research and Educational Hospitals, equipment.....	30	686	
Radiology, equipment.....	3	153	
X-ray film processing unit.....	1	519 <sup>1</sup>	
Beckman spectrophotometer.....	8	000	
Fluoroscopic units, replacement.....	35	000	
Intercom system, replacement.....	2	438	
Surgical instruments.....	2	155	
Oximeter.....	2	000	
Research and Educational Clinics, furniture and equipment.....	19	500	
Nursing, furniture and equipment.....	18	500	
Heart lung machine.....	14	000	
Vacumatic sterilizer, purchase and installation.....	18	000	

<sup>1</sup> Deduct.

Autoanalyzer, attachment.....	1 650		
Architectural studies for future buildings.....	7 599		
Physiology, fume hoods.....	17 018		
Telephone centrex, installation.....	14 000		
Forty-six items ranging from \$37 to \$921.....	20 082	257 499	
<i>Total, Medical Center, Chicago.</i> .....		(505 232)	
<i>Chicago Undergraduate Division</i>			
General administration and expense.....	1 466 <sup>1</sup>		
Art gallery.....	231 <sup>1</sup>		
Auditorium expense.....	1 038		
Demographic statistical study.....	57 <sup>1</sup>		
Radioisotope Laboratory.....	1 025		
Business Office, equipment inventory.....	35	1 810	344
Liberal Arts and Sciences.....			74 <sup>1</sup>
Engineering.....			2 888
Graduate College.....			1 248
Commerce and Business Administration.....			73
Physical Education.....			138 <sup>1</sup>
Armed Forces.....			525
Library.....			286 <sup>1</sup>
<i>Physical Plant</i>			
Regular operation and maintenance.....	25 599		
Building rentals and insurance.....	5 587		
Renewals and replacements.....	1 693	32 879	
<i>Unexpended plant</i>			
Honors Program Office, remodeling and equipment.....	3 702		
Public Information Office, remodeling.....	5 300		
Biological Sciences, equipment.....	1 562		
Humanities, laboratory equipment.....	20 364		
Engineering Administration, remodeling and equipment..	6 950		
Engineering Laboratory, equipment.....	32 500		
Physics, equipment.....	10 000		
University Facilities, remodeling and equipment.....	15 915 <sup>1</sup>		
Snack Bar, lighting.....	1 217		
Three items ranging from \$91 to \$980.....	1 245	66 925	
<i>Total, Chicago Undergraduate Division.</i> .....		(104 384)	
<i>Grand Total.</i> .....		\$2 618 558	

On motion of Mr. Johnston, these reappropriations were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Governor Kerner.

#### EASEMENT TO ILLINOIS BELL TELEPHONE COMPANY

(5) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Illinois Bell Telephone Company be granted permission to install a buried cable through University parking lots in the 800 block on South Sixth Street, Champaign, provided that the Company reimburses the University for its direct expenses in granting the easement and restores the property to its present condition. This cable will serve business establishments on Daniel Street just east of Sixth Street.

I concur and recommend the adoption of the following resolution.

#### Resolution

*Be It, and It Hereby Is Resolved* by this Board of Trustees of the Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of conveyance, contract, or other document or documents as to them may seem necessary or desirable in order to

<sup>1</sup> Deduct.

grant to Illinois Bell Telephone Company, an Illinois Corporation, hereinafter referred to as "Grantee," its successors and assigns, the right and easement to lay, operate, and maintain a communications cable for the transmission of telephonic signals under and through the land hereinafter described and the right of ingress to and egress therefrom. Grantee shall agree to repair any damage to property of this Corporation by the laying, construction, reconstruction, operation maintenance, renewal, or removal of said cable, and Grantee shall further agree to relocate said cable at its expense if and when said cable would interfere with any construction undertaken by this Corporation during the term of the right-of-way easement to be hereunder granted. The right-of-way easement shall terminate ninety (90) days after Grantee ceases to use said transmission line for rendition of service. The right-of-way easement shall be over the following-described property:

Situated in the State of Illinois, the County of Champaign, the City of Champaign and in parts of Block 13 of J. S. Wright's Addition to the City of Champaign; and being more fully bounded and described as follows:

1. Being the East 6.0 feet of the South 5.0 feet of the NW  $\frac{1}{4}$  of said Block 13; and

2. A strip of land 6.0 feet in width, the centerline of which is described as follows:

Beginning at a point 171.25 feet distant East of and 169.33 feet distant South of the NW corner of said Block 13, said corner being also the SE corner of John and Sixth Streets in the City of Champaign; thence southerly along a line parallel to the East line of Sixth Street, a distance of 84.67 feet; all of the foregoing described strip being in the N  $\frac{1}{2}$  of the SW  $\frac{1}{4}$  of said Block 13.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner. Mr. Hughes asked to be recorded as not voting.

#### **CONTRACT FOR REROUTING ILLINOIS BELL TELEPHONE CABLE AT CONGRESS CIRCLE CAMPUS**

(6) The campus plan for Congress Circle anticipates the construction of buildings at the intersection of Blue Island Avenue and Polk Street, which will be vacated.

Any construction over utilities to be retained must provide for continuation of these services even during the period of construction. The Illinois Bell Telephone Company proposed that the existing cable be rerouted along Roosevelt and Halsted Streets and that the University pay the Company the amount budgeted by the University for the protection of this service during construction. Under this proposal, the Illinois Bell Telephone Company will perform the work and the University will not be obligated for payment until thirty days after the University receives conveyance of substantially all the land in this area from the Chicago Land Clearance Commission.

Accordingly, the Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of this contract subject to the release of funds.

I concur.

On motion of Mr. Johnston, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner. Mr. Hughes asked to be recorded as not voting.

#### **CLOSED CIRCUIT TELEVISION DISTRIBUTION SYSTEM AT CONGRESS CIRCLE CAMPUS**

(7) The Board of Trustees has authorized agreements with the Illinois Bell Telephone Company for the rental of cable and related facilities for a television distribution system on the Urbana-Champaign campus.

A similar program is planned for the Congress Circle campus. Its television programs will originate from the Library building, or will be programs taken off

the air at the Library, and during the first phase of the University's operations at Congress Circle will be distributed to one of the classroom buildings, to the Lecture Center, and to the Union Building.

Comparative cost studies on rental versus construction by the University of the distribution facilities indicate that for several years it will be more economical to rent the facilities. Rental will provide flexibility for future program changes and changes in technology, an arrangement which may be contracted for a one-year, renewable basis.

The total annual rental charge for three distribution channels between these buildings is \$6,252.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of the necessary agreements at the appropriate time with the Illinois Bell Telephone Company for closed circuit television facilities.

Funds for the rental payments will be provided in future operating budgets.

I concur.

On motion of Mr. Swain, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner. Mr. Hughes asked to be recorded as not voting.

#### CONTRACTS FOR AIR CONDITIONING IN SECOND UNIT OF DENTISTRY-MEDICINE-PHARMACY BUILDING

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for air conditioning the first floor, second unit, of the Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

Heating, Refrigeration, and Temperature Controls—Dearborn Plumbing and Heating Service, Inc., Chicago.....	\$18 075
Base bid .....	\$18 075
Additive alternates	
Service charge for supervision of other contracts assigned to this contractor.....	00
480 volt vs. 208 volt.....	00
Ventilating—T. F. Hanley Corporation, Chicago.....	37 506
Base bid .....	\$37 482
Additive alternate for 480 volt vs. 208 volt.....	24
Plumbing—Dearborn Plumbing and Heating Service, Inc., Chicago....	810
Electrical—Henry Newgard and Company, Chicago.....	1 650
Base bid .....	\$ 2 290
Deductive alternate for 480 volt vs. 208 volt.....	— 640
General—Mutual Contracting Company, Chicago.....	12 991
Total.....	\$71 032

The work will consist of furnishing and installing equipment and supply systems to air condition the administrative offices of the Colleges of Dentistry and Nursing and the Office of Nonacademic Personnel and is a part of the 1961-63 building program at the Medical Center.

It is further recommended that all contracts other than the contract for heating, refrigeration, and temperature controls be assigned to the contractor for that work, making the total of his contract price \$71,032; and that an agreement be entered into with Dearborn Plumbing and Heating Service, Inc. for the assignment of these other contracts for supervision.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of the bids received is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

### CONTRACT FOR REMODELING IN DENTISTRY-MEDICINE-PHARMACY BUILDING

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$9,175 to the Mutual Contracting Company, Chicago, the lowest bidder, for remodeling of administration space housing the Office of Admissions and Records in the first unit of the Dentistry-Medicine-Pharmacy Building.

The work will consist of rearranging partitions and improving of lighting to gain more usable space and increase the efficiency of use of this suite of offices.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

I concur.

On motion of Mr. Hughes, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

### CONTRACTS FOR REMODELING AND INSTALLATION OF FUME HOODS IN DENTISTRY-MEDICINE-PHARMACY BUILDING

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for the installation of fume hoods and the required remodeling for the Departments of Biochemistry and Physiology, in the Dentistry-Medicine-Pharmacy Building first unit, the award in each case being to the lowest bidder:

General—Mutual Contracting Company, Chicago.....	\$16 740
Base bid .....	\$14 909
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	1 831
Plumbing—H. P. Reger and Company, Chicago.....	3 420
Steam Fitting and Process Piping—Peter H. Smith Company.....	2 967
Ventilating—T. F. Hanley Corporation, Chicago.....	32 990
Pipe Covering and Insulation—Culberg Asbestos and Cork Company, Chicago.....	850
Electrical—Cole Electric Company, Inc., Chicago.....	2 196
Laboratory Equipment—Kewaunee Manufacturing Company, Evanston.....	10 995
Total.....	\$70 158

The work will include furnishing and installation of fume hoods throughout the laboratories of two of the departments in the College of Medicine, namely, Biochemistry and Physiology, as a part of the 1961-63 building program at the Medical Center.

It is further recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract price \$70,158.

It is further recommended that an agreement be entered into with the Mutual Contracting Company for the assignment of these other contracts for \$1,831.00 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in a grant of \$25,750 from the National Institutes of Health (USPH RC-1062, Biochemistry-Physiology Fume Hoods) and in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

A schedule of the bids received is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

### CONTRACTS FOR ALTERATIONS IN THE RESEARCH AND EDUCATIONAL HOSPITALS ADDITION

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for alterations on the eighth floor of the Research and Educational Hospitals Addition, the award in each case being to the lowest bidder:

General — Consumers Construction Company, Chicago.....	\$ 75 900
Base bid .....	\$74 400
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	1 500
Plumbing — O'Callaghan Brothers, Inc., Chicago.....	16 450
Heating — T. F. Hanley Corporation, Chicago.....	39 149
Ventilating — Byness, Inc., Chicago.....	14 910
Electrical — Wadeford Electric Company, Chicago.....	21 686
Laboratory Furniture — Browne-Morse Company, Chicago.....	21 281
<i>Total</i> .....	<u>\$189 376</u>

The work will consist of extensive remodeling of the eighth floor of the Hospitals Addition for a clinical research center to be operated by the Department of Medicine with funds supplied by the U.S. Public Health Service.

It is further recommended that all contracts other than the general contract be submitted to the contractor for general work, making the total of his contract price \$189,376.

It is further recommended that an agreement be entered into with Consumers Construction Company for the assignment of these other contracts for \$1,500 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds for this work are available from U.S. Public Health Service Grant OG-21.

Submitted herewith is a schedule of the bids received and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

### CONTRACT FOR MAINTENANCE WORK ON RESEARCH AND EDUCATIONAL HOSPITALS

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$3,162 to E. H. Chicoine Contractors, Inc., Chicago, the lowest bidder, for maintenance work on drip joints and lintels on the Research and Educational Hospitals buildings.

The work will consist of grinding the mortar out of drip joints at the head of all windows and the painting of exposed portions of steel lintels. The repairs are necessary due to the rust build-up on the lintels which is causing spauling of the stonework.

Funds are available in the Physical Plant Department budget.

I concur.

On motion of Mr. Williamson, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

### CONTRACT FOR CAULKING WORK ON STAFF APARTMENT BUILDING AT THE MEDICAL CENTER

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$7,965 to the Structural Waterproofing Corporation, Barrington, Illinois, the lowest bidder, for the caulking of all exterior

windows, doors, and louvers on all elevations of the Staff Apartment Building at 809 South Marshfield Avenue, Chicago.

This work is necessary to prevent deterioration of brickwork and interior plaster from moisture where the original caulking has loosened, cracked, or fallen out and to give protection to metal shelf angles where exposed to the weather.

Funds are available in the income from Staff Apartment operations.

I concur.

On motion of Mr. Swain, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### **CONTRACT FOR TUCKPOINTING ON ILLINOIS NEUROPSYCHIATRIC INSTITUTE BUILDING**

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$5,600 to Herman E. Iverson Tuckpointing, Chicago, the lowest bidder, for the tuckpointing of the Illinois Neuropsychiatric Institute building.

The work will consist of tuckpointing the major portion of this building where the mortar is loose, cracked, or otherwise defective. These repairs are regular maintenance, necessary to prevent deterioration of the building structure.

Funds are available in the Physical Plant Department budget.

I concur.

On motion of Mrs. Watkins, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### **AGREEMENT WITH COMMONWEALTH EDISON COMPANY FOR ELECTRICAL SERVICES**

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of an agreement with Commonwealth Edison Company, Chicago, to include the Laundry Building and the Chicago Board of Education Warehouse, which is being leased by the University for use as a Physical Plant service building, in the combined billing for electrical service in the Medical Center. The cost of this would be \$4,286, and funds are available in the Physical Plant Department budget and Laundry Revolving Fund.

The combined billing will allow an estimated annual savings of \$3,158 in electrical services for these two buildings.

The basic plan for a "Multiple Service and Combined Billing" was authorized by the Board of Trustees on July 25, 1950. Until recently the University could not get combined billing for these two buildings because they are on land which was not contiguous to property on which the original point of entry of Commonwealth Edison service is located. Recently, the Medical Center Commission conveyed to the University several parcels of land which qualifies the two buildings for combined billing.

I concur.

On motion of Mr. Johnston, this agreement was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### **CONTRACTS FOR REMODELING SECOND FLOOR OF 704 SOUTH SIXTH STREET, CHAMPAIGN**

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for remodeling of the second floor of the leased quarters at 704 South Sixth Street, Champaign, formerly used by the Institute of Labor and Industrial Relations, for the relocation of the Physical Plant Department, Architectural Division, Superintendent's Section, and for the Visual Aids Section of the Division of University Extension, to the following contractors with



whom the University has standing, cost-plus contracts for the fiscal year 1962-63 for such work:

C. A. Petry and Sons, Inc., Champaign.....	\$16 750 00
Potter Electric Service, Inc., Urbana.....	9 018 00
David W. Reichard, Urbana.....	2 900 00
Reliable Plumbing and Heating Company, Champaign.....	1 568 26
Thomas Plumbing and Heating Company, Urbana.....	1 700 00
<i>Total</i> .....	<u>\$31 936 26</u>

An assignment of funds from the University's General Reserve (nonrecurring) is also recommended.

I concur.

On motion of Mr. Hughes, these contracts were authorized, as recommended, and the funds for this purpose were assigned from the University's General Reserve; this action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### CONTRACTS FOR ADDITION TO ABBOTT POWER PLANT

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for furnishing and installation of electrical equipment (Division "9-J") and for furnishing and applying thermal insulation (Division "9-K") in the addition to the Abbott Power Plant (Boiler No. 7) now under construction, the award in each case being to the lowest bidder: **Furnishing and Installation of Electrical Equipment—**

Square Deal Electrical Contracting, Inc., Urbana.....\$61 924

**Furnishing and Applying Thermal Insulation—**

Sprinkmann Sons Corporation of Illinois, Peoria.....21 492

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a summary of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, these contracts were awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### CONTRACT FOR CAMPUS TREE PLANTING PROGRAM. SECOND PHASE

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$15,030 to Irving L. Peterson, Champaign, the lowest bidder, for the second phase of the campus tree-planting program in accordance with the plan approved by the Board of Trustees on January 11, 1962, for replacement of trees lost due to diseases.

This contract is for planting trees as specified in the following areas: First Street from Stadium Drive to St. Mary's Road, and Fourth Street from Peabody Drive to St. Mary's Road.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

I concur.

On motion of Mr. Wilkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONTRACT FOR WATER SUPPLY SYSTEM ON THE PELL FARM**

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$11,834 to Leonard C. Lust, Hammond, Illinois, the lowest bidder, for installation of a water supply system on the Pell Farm for the Department of Horticulture.

The cost will be paid from the proceeds of the revenue bonds issued for the Orchard Downs housing since land formerly assigned to the Department of Horticulture was taken over for the housing project.

Submitted herewith is a report from the Physical Plant Department, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Hughes, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONTRACT FOR PLASTERING, PLASTER PATCHING AND REPAIRING, AND ACOUSTICAL WORK**

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a cost-plus contract to Harry F. Fisher, Urbana, Illinois, the lowest bidder, for plastering, plaster patching and repairing, and acoustical work during the fiscal year ending June 30, 1963, on the basis of a contractor's fee of 14 per cent of all actual job costs, as determined by itemized billing.

I concur.

On motion of Mr. Swain, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**ADDITION TO CONTRACT FOR REMODELING THE PROPERTY AT 1112-1114 WEST MAIN STREET, URBANA**

(21) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$3,500 in the contract with Shapland Construction Company for additional remodeling in the property to be used for television studios and offices at 1112-1114 West Main Street, Urbana.

The contract was based on the minimum remodeling required to provide adequate quarters. The recommended addition is to replace the existing ceiling with acoustical material and related improvements in the roof structure in the west section.

It is further recommended that an assignment of \$3,500 be made from the General Reserve (nonrecurring) for this additional remodeling.

I concur.

On motion of Mrs. Watkins, this increase in the contract was authorized, and an assignment of \$3,500 was made, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**ADDITION TO CONTRACT FOR CONSTRUCTION OF THE ASSEMBLY HALL**

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$6,500 in the contract with Felmley-Dickerson Company for construction of the Assembly Hall for installation of a removable acoustical shell for the overhead grid system.

Funds are available from the proceeds of the sale of revenue bonds to finance the construction of the Assembly Hall.

I concur.

On motion of Mr. Swain, this change in contract was authorized.

**EMPLOYMENT OF ENGINEERS FOR PARKING FACILITIES**

(23) Construction of the Illinois Street Residence Halls will remove approximately 310 temporary parking spaces, primarily used by occupants of the Graduate Student Residence Halls and Student-Staff Apartments on Green Street and Goodwin Avenue, Urbana. The lots are also available to other members of the staff and to University visitors.

To replace this parking (currently used to near capacity), a program has been developed to improve various University properties in the vicinity, converting the land areas into temporary parking lots similar to those being discontinued.

Due to the present load of work in the University Architect's Office, it was recommended that the firm of Clark, Daily, Dietz, and Associates, Urbana, be employed to prepare topographic surveys and maps of the properties, grading plans, and plans and specifications for demolition of present improvements and construction of parking spaces. Emergency action authorizing these engineering services was requested to secure plans for construction work so that some 250 parking spaces will be available shortly after the use of the present lots is discontinued.

The Director of the Physical Plant and the Vice-President and Comptroller request confirmation of the employment of Clark, Daily, Dietz, and Associates, Urbana, for these services on the basis of actual payroll costs plus 100 per cent for overhead and commission, and reimbursement for out-of-pocket expenses incurred by the firm. Payroll costs are defined to include all payments made to or on behalf of employees directly engaged in the work, including social security, workmen's compensation, unemployment taxes, and employee insurance. The cost to the University will not exceed \$3,500.

Funds are available in the Physical Plant Department budget.

I concur.

On motion of Mr. Johnston, this action was confirmed.

**EMPLOYMENT OF ARCHITECT FOR DIXON SPRINGS  
SUPERINTENDENT'S HOUSE**

(24) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of Thomas A. Graman, Architect and Engineer, Metropolis, Illinois, for architectural services, including the preparation of plans and specifications and supervision of construction, for a new house for the Superintendent of the Dixon Springs Experiment Station at a fee of 6½ per cent of construction costs.

I concur.

Mr. Hughes moved approval of the recommendation.

Mr. Pogue questioned the necessity of employing an architect, suggesting that plans for this type of house can be secured from lumber dealers at a nominal cost, or that the Physical Plant Department could design the house. Director Havens stated that the services of an architect would include supervision of construction and that assigning a staff member from the Physical Plant Department for such supervision might involve greater cost than to have the supervision performed by an architect and engineer in the Dixon Springs area.

Mr. Johnston moved that the Physical Plant Department be authorized to employ the architect and engineer recommended, or to develop the design and plans itself and provide the supervision of construction by a member of its staff, or to use stock plans available from lumber dealers—whichever method is found to be the most feasible and economical and permits taking of competitive bids as required by law.

This substitute motion was accepted by Mr. Hughes and was adopted without dissent.

# EMPLOYMENT OF ENGINEERS FOR CONCRETE TESTING SERVICES AT CONGRESS CIRCLE

(25) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of the employment of Walter H. Flood and Company, Chicago, for concrete design, testing, and inspection work for all fifteen buildings included in the first phase of construction of the Congress Circle Campus.

This work is fundamental in obtaining a unified architectural effect, since thirteen of these building will have exposed concrete structural frames with varying finishes.

A firm quotation on the total cost of the work is not feasible since the exact number of tests, visits, and so forth can not be determined in advance. However, proposals were received from four firms which have had extensive experience in the concrete testing field, particularly in the execution of large and complicated projects. Based on the unit prices quoted and the architects' estimate of the number of units in each category, the proposal of Walter H. Flood and Company will result in the lowest cost, based on the following unit charges:

Test Cylinders .....	\$ 3 20 per test
Batch Plant Inspection.....	12 00 per visit
Cement Tests .....	25 00 per test
Aggregate Tests .....	40 00 per test
Radiographic Tests .....	10 00 per test
Welding Inspection .....	6 00 per test
Design Mix .....	25 00 per design
Rebar Test .....	3 00 per test
Engineering Service .....	10 00 per hour

It is anticipated that the total cost of the work for all buildings will be approximately \$59,200.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

Submitted herewith is a supporting memorandum from the Physical Plant Department on this service, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, authority was given as requested by voice vote. Mr. Dilliard was recorded as not voting.

## CONTRACT FOR CAMPUS DEVELOPMENT CONSULTING SERVICES

(26) The present contract with the firm of Sasaki, Walker, and Associates, Watertown, Massachusetts, for consulting services in the area of long-range campus and landscape development expired June 30, 1962. The Director of the Physical Plant and the Vice-President and Comptroller recommend renewal of the employment of this firm for consulting services until June 30, 1963 to:

Review landscape and site design work on specific projects included in the University's building program for which funds are available in various project budgets. Estimated cost.....\$9 000

Advise and make recommendations on long-range campus planting plans and general campus, landscape, and grounds improvements for which funds are available in the Service-Campus Planning and Development account in the Physical Plant budget. Estimated cost..... 2 000

I concur.

On motion of Mr. Williamson, this recommendation was approved.

## ADDITION TO CONTRACT FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR ORCHARD DOWNS ADDITION

(27) The Board of Trustees authorized the employment of Lundeen and Hilfinger, Bloomington, as architects for the Orchard Downs Addition. The fee for the site work is 5¼ per cent of the construction costs. On the first Orchard Downs construction, the engineering work on design and layout of streets, sewers, and utilities was done for the architects by a firm of consulting engineers at the basic minimum fee schedule of the Illinois Society of Professional Engineers, and the University paid the additional costs. This arrangement was intended in the contract for the

addition to Orchard Downs, but through oversight was not included in the terms recommended to the Board.

The Director of the Physical Plant and the Vice-President and Comptroller recommend a change in the contract to provide for the basic minimum fee payments for that part of the site work done by the consulting engineers. Based upon bids which have been received, the additional cost is \$3,474.25. Funds are available in the proceeds of the revenue bond issue to finance construction of the Orchard Downs housing project.

I concur.

On motion of Mrs. Watkins, this change in contract was authorized.

#### PAYMENT FOR ARCHITECTURAL SERVICES

(28) The Board of Trustees on September 21, 1960, authorized the employment of Richardson, Severns, Scheeler, and Associates, Champaign, and L. Lattin Smith and Associates (formerly Mielke and Smith), Chicago, for architectural services on the third phase of the residence halls for graduate students, at a fee not to exceed 6 per cent of the construction contracts, less previous payments to Richardson, Severns, Scheeler, and Associates for preliminary work.

When this employment was authorized, the building for the third phase of the residence halls for graduate students was to be constructed at the southwest corner of Sixth and Chalmers Streets, Champaign; subsequently approval was given to changing to the site at the northwest corner of Fifth and Chalmers Streets. Prior to this site change, Richardson, Severns, Scheeler, and Associates had made preliminary studies and designs for the original location at a total cost of \$3,953.

The studies and design work for the original site will ultimately be used when construction proceeds on that site and the contract with the architects will be adjusted to allow credit for such work. In the meantime, payments made for this work should not be deducted from the fee paid the firm for the project to be located on the Fifth Street site, and it is requested that payment to the architects be on the basis of the rates authorized by the Board without deduction for the payments made for work on the site at Sixth and Chalmers Streets.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of this change in the contract.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

#### PURCHASES

##### Purchases Authorized

(29) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

##### *Urbana-Champaign Departments*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Fertilizer as follows:	Agricultural Economics	Tennessee Valley Authority, Wilson Dam, Ala.	\$ 3 487 36 f.o.b. Sheffield, Ala.
21.075 tons diammonium phosphate			
10.75 tons granular high analysis phosphate			
23.525 tons ammonium phosphate nitrate			
To be used for ten Allerton Trust Farms			
Fluorescent light fixtures with polystyrene louvers as follows:	Physical Plant	Danville Electric Supply Co., Danville	3 002 42 f.o.b. delivered
74—8 feet long for 40 watt lamps, 28			
—4 feet long for two 40 watt lamps for remodeling of Davenport House to provide space for relocation of Public Information Office, Legislative Relations Office, and Russian Area Studies Staff Office			

On motion of Mr. Swain, these purchases were approved.

## Purchases Recommended

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

I concur.

*Chicago Colleges and Divisions*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One preparative ultracentrifuge to be used for immunobiological work	Anatomy	Beckman Instruments, Inc., Lincolnwood	\$ 6 325 00 delivered
One lot of laboratory equipment and supplies consisting of one mechanically refrigerated freeze-mobile, one shell freezer, and 1,920 pints of laboratory solvents	Biochemistry	E. H. Sargent & Co., Chicago	3 665 00 delivered
One amino acid analyzer with accessories for determining glucose and blood urea nitrogen	Clinical Research Center	Technicon Chromatography Corp., Chauncey, N.Y.	9 990 50 delivered
One photographic camera with accessories consisting of one trinocular tube, one set of paired eyepieces, and one spare film chamber	Oral Pathology	W. H. Kessel & Co., Chicago	3 380 00 delivered and installed
Radioisotopes for use as required by the Isotope Laboratory during the period from October 1, 1962, through June 30, 1963; these isotopes are used in diagnostic procedures and therapy in the Research and Educational Hospitals	Radiology	E. R. Squibb & Sons, Franklin Park	4 160 47 delivered
One snow blower and loader	Physical Plant	Prairie State Equipment Co., Thornton	3 448 30 delivered
One lot of white goods consisting of: 200 dozen type 140 bleached muslin sheets, 72 in. by 108 in. 200 dozen type 140 bleached muslin pillow cases, 45 in. by 36 in.	Physical Plant (Laundry Supply)	Karoll's, Inc., Chicago	5 174 00 delivered
One lot of hospital linens consisting of: 30 dozen standard covers 20 dozen laparotomy sheets 6 dozen mastoid sheets 32 dozen patient lifters 5 dozen X-Ray covers 25 dozen mayo stand covers 190 dozen wrappers	Physical Plant (Laundry Supply)	Mills Hospital Supply Co., Chicago	7 098 60 delivered

*Urbana-Champaign Departments*

6,050 diploma covers for the period of October 1, 1962, through June 30, 1963 (600 for the Medical Center and 5,350 for the Urbana campus)	Admissions and Records	Star Engraving Co., Houston, Texas	\$ 5 687 00 f.o.b. delivered
Fifty-two dictating machines, magnetic tape, fully transistorized, complete with dictating and transcribing accessories; 100 tape magazines, 45 minute	Agriculture Extension	Thomas A. Edison Industries, Voice-writer Division, Peoria	10 229 00 f.o.b. delivered
Less trade-in value of four dictating machines, cylinder type; three transcribing machines, cylinder type; one dictating cylinder shaver			
To be used by County Farm and Home Advisers in various county offices			
Sixty-four easel-flannelboard combinations	Agriculture Extension	Oravidual Co., Inc., St. Petersburg, Fla.	5 427 20 f.o.b. delivered
One duplicator, offset, to print two colors simultaneously or same color simultaneously on both sides of sheet; to print on paper from 3 in. by 5 in. to 11 in. by 14 in. equipped with work light, work organizer and receding stacker; less trade-in value of one duplicator, offset with receding stacker	Agriculture Mailing Room	Addressograph-Multigraph Corp., Peoria	6 211 30 f.o.b. delivered
Thirty-three tape recorders, portable, with carrying case, 50-12000 cps at 7½ ips, 50-8000 cps at 3½ ips, flutter and wow under 0.20 per cent at 7½ ips to be used by County Farm and Home Advisers	Agriculture	Radio Doctors, Champaign	3 102 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Thirteen film transfers of one-half hour plus one minute spot, 16 mm. negative, double system sound with one print from video tape	Agriculture Administration	WTTW Video Tape and Film Division, Station WTTW-TV, Chicago	\$ 3 250 00 f.o.b. Chicago
Professional services for the period of October 1, 1962, through June 30, 1963, for development and production of weekly University of Illinois Market Buy program conducted in the Chicago area by the Cooperative Extension Service in Agriculture and Home Economics; services consist of preparation of news copy and mats, mimeographing, mailing service, and clipping service	Cooperative Extension Service in Agriculture and Home Economics	Bixby, Marvinne, & Udel, Inc., Chicago	10 800 00
Print and bind 20,000 copies <i>Illinois Farm Record Book</i> , Part I, approximately 48 pages each, plus cover, trim size 8½ in. by 10¾ in. (Group I)	Agricultural Economics	George Banta Co., Chicago (Group I)	3 206 00
Print and bind 5,000 copies <i>Illinois Farm Record Book</i> , Part II, approximately 20 pages each, plus cover, trim size 8½ in. by 10¾ in. (Group II)		P.D.Q. Printing Service, Urbana (Group II)	600 00 (3 806 00) f.o.b. delivered
One automatic single crystal X-ray diffractometer consisting of two integrated systems; X-ray system including: constant potential X-ray generator and control, 50KVP-50MA; current stabilizer for diffraction unit; electronic circuit panel; portable chart recorder; equi-inclination counter diffractometer; proportional counter attachment; fine focus diffraction tube; and digital control and recording system	Chemistry and Chemical Engineering	Philips Electronic Instruments, Mt. Vernon, N.Y.	52 610 00 f.o.b. shipping point
One mass spectrometer special, time of flight complete with accessories	Chemistry and Chemical Engineering	Bendix Corp., Cincinnati, Ohio	56 705 00 f.o.b. delivered
Surveying instruments to be used as teaching aids in the Department of Civil Engineering: Item I—three theodolites, engineers, direction-type Item II—three theodolites, repeating-type, engineer All complete with tripod, covers, and electric illumination outfit Less trade-in of six used engineers transits complete with tripod and carrying case	Civil Engineering	Kern Instruments, Inc., Port Chester, N.Y. (Item I) Keuffel & Esser Co., Chicago (Item II)	2 526 00 2 559 39 f.o.b. delivered
One camera, continuous writing framing, complete with film cassette, lens, cable, carrying case, three stop sets, 50 times focusing microscope, two extension tubes, plug, 7x eyepiece, power cord, capping shutter, and one electronic flash unit including reflector, stand, and carrying case	Civil Engineering	Beckman & Whitley, Inc., San Carlos, Calif.	6 918 38 f.o.b. delivered
One oscilloscope with image storage feature and instant erase, complete with two preamplifiers, mobile oscilloscope cart, and multitracer unit	Civil Engineering	Hughes Aircraft Co., VTD, c/o Cozzens & Cudahy, Inc., Chicago	3 825 50 f.o.b. Oceanside, Calif.
Print and bind nine issues, 4,000 copies per issue, <i>Illinois Teacher of Home Economics</i> , approximately 48 pages per copy, plus cover, trim size 8½ in. by 11 in.	Education	Braun-Brumfield, Inc., Ann Arbor, Mich.	5 688 00 f.o.b. delivered
One duplicator, offset, image area 10½ in. by 16¾ in., to print on stock 11 in. by 17 in. equipped with mechanical jogger, work organizer, and blanket cleaner	Engineering	Addressograph-Multigraph Corp., Peoria	4 313 40 f.o.b. delivered
One exposure frame			
One helium mass spectrometer to be used for testing vacuum tube type components for experimental research in Electrical Engineering	Electrical Engineering	Vacuum-Electronics Corp., New Hyde Park, N.Y.	5 315 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One magnet system composed of six to eight modular air core coils, each coil 7 in. inside diameter, 2 to 3½ in. wide, 4,000 gauss field over a central length of 20 in. to a spatial homogeneity along the axis of the coils of no less than 1 per cent	Electrical Engineering	Magnion, Inc., Cambridge, Mass.	\$ 4 785 00 f.o.b. delivered
One air compressor, two-stage, water-cooled, size 6¼ by 2¼ by 5, complete with 40 H.P. motor, drive, controls, and cooling system for use in Department of Forestry in research on pressure treatment of wood	Forestry	Gardner-Denver Co., Quincy	3 789 95 f.o.b. delivered
Twenty-five geology cabinets, steel, 36 in. wide by 75 in. high by 25 in. deep, each with two rows of supports to accommodate 42 geology trays; trays are not included in this purchase	Geology	W. M. Putnam Co., Bloomington	3 179 50 f.o.b. delivered
One digital data recording system for two axes of a film reading microscope	Physics	Datex Corp., Skokie	4 945 00 f.o.b. Urbana
One automatic recording spectrophotometer	Physics	Perkin-Elmer Corp., La Grange	9 940 00 f.o.b. Norwalk, Conn.
One solenoid, superconducting, to produce 50 kilogauss when immersed in liquid helium at 4.2°K; useful I.D. 1 in., O.D. 4.4 in. or less, overall length approximately 6 in., approximately 12 amperes to rated field strength, homogeneity plus or minus 2 per cent; complete field change in two and one-half minutes; complete with persistent current switch; one power supply AC control circuit including programmer, overvoltage circuit, dumping circuit, switch and internal protection against overload and excessive temperature	Physics	Westinghouse Electric Corp., Peoria	8 680 00 f.o.b. shipping point, freight prepaid
Transportation (railroad) and handling charges of analyzing magnet from Oakland, Calif., to Upton, Long Island, N.Y.	Physics	Atomic Energy Commission, Brookhaven National Laboratory, Upton, Long Island, N.Y.	3 481 30
One X-ray film processor and dryer (processes and dries in seven minutes sheets 4 in. by 4 in. to 17 in. by 36 in. and rolls to 17 in. width)	Health Service	Picker X-Ray Corp., Chicago	8 630 00 f.o.b. delivered
One hydromixer, 25-gallon size			
One portable cleaning tank			
Furniture for the first floor waiting area in the Health Service Addition to the McKinley Hospital as follows: Six four-seat units Two three-seat units Two two-seat units Two combination units with two seats and table	Health Service	S. Buckman Furniture Supply Co., Spring Valley	2 790 00 f.o.b. delivered
Furnish and install an audio-visual nurse-call system in McKinley Hospital	McKinley Hospital	Dahlberg, Inc., Beloit, Wis.	13 147 48 f.o.b. delivered and installed
380 mattresses, innerspring, 36 in. by 78 in. finished size, not less than 6¼ in. thick, not less than 152 coils	Housing Division	Anderson Mattress Co., Anderson, Ind.	7 087 00 f.o.b. delivered
Sundry items for resale in Housing Division Snack Bar for the period October 1, 1962, through August 31, 1963, including such products as tooth paste, mouth wash, dental floss, tooth brushes, combs, nail clippers and files, shampoo, razor blades, cough drops, menthol inhalers, adhesive bandages, anacin, aspirin, chapped lip medication, sanitary napkins, shoe polish and shoe laces, pens, pencils, ink, paper, index cards, rubber bands, paper clips, and mucilage	Housing Division	Heffernan-Sherman Co., Champaign	4 927 14 f.o.b. delivered



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Laundry service for Pennsylvania Avenue Residence Halls for the period October 1, 1962, through June 30, 1963	Housing Division	Shelton Laundry, Urbana	\$ 4 194 72 f.o.b. picked up and delivered
Linens for use in guest rooms of the Illini Union as follows:	Illini Union	Ely & Walker, Chicago (Group I)	4 453 60
Group I		Marshall Field & Co., Chicago (Group II)	2 258 75 (6 712 35) f.o.b. delivered
30 dozen sheets, bed, 81 by 120 type 180			
150 dozen sheets, bed, 72 by 120 type 180			
Group II			
125 dozen towels, bath, white terry, 22 in. by 44 in.			
150 dozen towels, hand, white terry, 17 in. by 32 in.			
150 dozen wash cloths, white terry, 12 in. by 12 in.			
50 dozen mats, bath, white terry, 20 in. by 30 in.			
Furnish labor and parts required to overhaul Hobart dishwasher model FT-24 to include: disassembling, replace or straighten stainless steel interior partitions; repair or replace all curtain hangers; replace curtains and damaged trim sections; seal all water leaks; overhaul conveyer assembly and replace all stainless steel rollers and shafts, washers, and pins; straighten all fingers and replace nylon tips; install and calibrate new thermometers; reassemble, test machine, and restore to working condition; this dishwasher was installed in November, 1955, with an original cost of \$14,560	Illini Union	Hobart Sales Agency, Springfield	2 582 88 f.o.b. Urbana
Stock tabulating forms for use in the Statistical Service Unit during the period of January 1, 1963, through December 31, 1963, to be delivered in two shipments	Statistical Service Unit	Uarco, Inc., Decatur	3 890 38 f.o.b. delivered
Print and bind 1,500 copies <i>The Mexican Mesta</i> , by William H. Dusenberry, approximately 272 pages per copy, trim size 6 in. by 9 in.	University Press	North Central Publishing Co., St. Paul, Minn.	3 183 80 f.o.b. delivered
160 steel bookshelf units, each 36 in. wide by 9½ in. deep by 84 in. high to be purchased for stock and for deliveries September 27, 1962, and January 15, 1963	Office Supply Storeroom	Jack Sheehan, Bloomington	4 955 20 f.o.b. delivered
174 reams paper, sulphite cover, antique finish, assorted sizes, weights and colors	Office Supply Storeroom	Bradner Smith & Co., Chicago	2 640 76 f.o.b. delivered
Estimated six-month supply of paper, sulphite index, in assorted sizes, weights, and colors	Office Supply Storeroom	Dwight Bros. Paper Co., Chicago	4 465 04 f.o.b. delivered
5,000 reams paper, white onionskin, 75 per cent rag, size 8½ in. by 11 in., to be purchased for stock	Office Supply Storeroom	Bradner Smith & Co., Chicago	6 250 00 f.o.b. delivered
Eight groups of paper goods, including paper bags, wrapping paper, containers, napkins, food trays, hot and cold drink cups, straws, and miscellaneous paper and plastic items; the amounts requested are an estimated twelve-month supply	Office Supply Storeroom, Urbana, and Chicago Divisions	Levin Bros. Paper Co., Chicago Gershuny & Epstein, Inc., Chicago Paper Service Co., Chicago	10 862 18 14 202 05 2 047 01 (27 111 24) f.o.b. delivered
101 fluorescent light fixtures with polystyrene louvers and "A" soundrated rapid start, ballasts for 40 watt lamps for Animal Sciences Laboratory lighting improvement project	Physical Plant	Westinghouse Electric Supply, Danville	2 677 85 f.o.b. delivered
Furnish labor, materials, and equipment to prepare sub-grade and install a bituminous concrete paving on an 86 ft. by 85 ft. recreation area at First Street and Gregory Drive, Champaign	Physical Plant	Champaign Asphalt Co., Champaign	3 459 00 delivered and installed

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furnish and plant 148 <i>taxus cuspidata</i> nana size 2 to 2½, and 254 <i>taxus media hicksi</i> size 18 in. to 24 in. (evergreen material to be used for hedge planting on south side of Green Street between Wright Street and Mathews Avenue, planting to be done in the spring, 1963)	Physical Plant	Wandell's Twin City Landscape Service, Inc., Urbana	\$ 5 291 90 f.o.b. delivered and planted

On motion of Mr. Swain, these purchases were authorized.

#### COMPTROLLER'S REPORT OF CONTRACTS

(30) The Comptroller's report of contracts executed during the period July 1, to August 31, 1962.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
National Aeronautics and Space Administration NsG 280-63	Periodic motion and stability of a small mass under the gravitational attraction of two heavy bodies	\$ 48 916 00	August 1, 1962
National Lime Association	Fundamental properties of calcium with the intent to extend use of lime minerals into new fields	18 097 20	July 1, 1962
National Roofing Contractors Association	Causes of roofing failures	7 000 00	June 1, 1962
United States Agency for International Development AID/fe-2	Render technical advice and guidance to government of Thailand for the purpose of developing and strengthening the Faculty of Medicine, Chiangmai Hospital	1 719 036 00	August 2, 1962
United States Air Force AF 33(608) 796	Provide instruction for approximately 150 students	215 000 00	July 1, 1962
United States Army DA-ARO (D) 31-124-G343	Experimental research upon superconducting metals	130 188 00	September 1, 1962
United States Army DA-ARO (D) 31-124-G366	Influence of ionic aggregation on rates and products of several reactions	8 849 00	September 1, 1962
United States Atomic Energy Commission AT (11-1) 1195	Elementary particle physics	71 000 00	June 1, 1962
United States Atomic Energy Commission AT (11-1) 1198	Use charge for portion of Materials Research Laboratory used in commission-supported research	1 128 950 00	June 1, 1962
United States Atomic Energy Commission AT (11-1) 1199	Studies of rainout of radioactivity in Illinois	45 325 00	June 1, 1962
United States Department of Agriculture 12-14-100-5791 (72)	Chemical and physical properties of cyclopropene fatty acids in cottonseed	29 400 00	June 19, 1962
United States Department of Defense OCD-OS-62-209	Prepare a manual on the protective design of residences for reducing effects of nuclear weapons	20 000 00	June 20, 1962
United States Department of Defense OCD-OS-62-316	Send an architectural or engineering faculty member to University of Colorado to attend a course in protective construction	665 00	June 25, 1962
United States Department of Defense OCD-OS-62-317	Send an architectural or engineering faculty member to participate in a course in protective construction	750 00	June 30, 1962
United States Department of Defense OCD-OS-62-333	Send an architectural or engineering faculty member to participate in a course on protective construction	750 00	June 25, 1962
United States Department of Defense OCD-OS-62-345	Send an architectural or engineering faculty member to University of California to participate in a course on protective construction	915 00	June 25, 1962
United States Department of Defense SD-131	Research in the science of materials	3 810 535 00	June 1, 1962
United States Department of Health, Education, and Welfare 2-20-003	More effective utilization of television, radio, motion pictures, and related media for educational purposes	70 819 00	June 29, 1962

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Department of Health, Education, and Welfare 3-10-026	Science concept development in the elementary school through inquiry training	\$103 355 00	September 1, 1962
United States Department of Health, Education, and Welfare—National Institutes of Health PH43-62-467	Medical supervision, control, and coordination of clinical evaluation studies in cancer chemotherapy	32 832 00	June 15, 1962
United States Department of Labor	Provide consultive services for thirteen groups of Japanese trade unionists	139 520 48	June 21, 1962
United States Department of Labor	Factors influencing consumer saving behavior	40 000 00	June 29, 1962
United States Navy N 123-(953) 30508A	Design of a major integrated ship-board antenna system	88 031 00	June 20, 1962
United States Navy N 228-58522	Admittance for academic credit and instruction of officer students	3 000 00	August 7, 1962
United States Navy NObs-86688	Survey of existing knowledge of brittle fracture phenomena	30 000 00	May 31, 1962
United States Navy Nonr(G)00101-62	Acquisition of a high-speed electronic digital computer	350 000 00	June 15, 1962
United States Navy N0w 62-0609-d	Spectral reflectance characteristics of painted surfaces	5 500 00	June 15, 1962
<i>Total</i>		<u>\$8 118 433 68</u>	

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
States Attorney of DeKalb County	Payment, in lieu of taxes, for services rendered (Wright)	\$ 5 072 62	June 21, 1962
States Attorney of LaSalle County	Payment, in lieu of taxes, for services rendered (Weber and McNeilly)	3 633 21	June 12, 1962
States Attorney of Moultrie County	Payment, in lieu of taxes, for services rendered (Hackett)	943 68	July 12, 1962
<i>Total</i>		<u>\$ 9 649 51</u>	

## Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Thad L. Beyle (Renewal)	Second-floor apartment of Burt House (Airport) from September 1, 1962, to August 31, 1963	\$ 960 00 (annual rental)	September 1, 1962
Joe L. Collins (Renewal)	First-floor apartment of Burt House (Airport) from September 1, 1962, to August 31, 1963	1 020 00 (annual rental)	September 1, 1962
<i>Total</i>		<u>\$ 1 980 00</u>	

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Business Machines Corp.	IBM equipment: One column binary device; five key punches; type 047 tape to card printing key punch	\$ 4 752 00 (annual rental)	June and July, 1962
International Harvester Co.	Rental of farm machinery: One low bed trailer	193 40 (annual rental)	May 29, 1962
LaSalle-Madison Hotel Co. (Renewal)	Rental of east portion of the twentieth floor from July 1, 1962, through June 30, 1963	10 800 00 (annual rental)	June 30, 1962
New Idea Farm Equipment Co.	Rental of farm machinery: One manure spreader with hitch jack and endgate attachment	114 28 (annual rental)	March 23, 1962
188 Randolph Building Corp. (Renewal)	Rental of suite 301-03 from July 1, 1962, through April 30, 1963	3 750 00 (for 10 months)	July 1, 1962
B. A. Strauch (Renewal)	Rental of 707-709 South Wright Street, Champaign, from July 1, 1962, through June 30, 1963	2 400 00 (annual rental)	July 1, 1962

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Cyrus W. Vaughn (Renewal)	Rental of 1102-A West Main Street, Urbana, from July 1, 1962, through June 30, 1963	\$ 1 920 00 (annual rental)	July 1, 1962
<i>Total</i>		<u>\$23 929 68</u>	

## Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
American Iron and Steel Institute	Welded wire fabric for reinforced concrete	\$ 10 000 00	May 16, 1962
Amstead Research Laboratories	Properties of refractories	30 000 00	September 1, 1962
Commonwealth Edison Co.	Prospectus for lime-pozzolan mixtures	5 000 00	July 1, 1962
Institute of Boiler and Radiator Manufacturers	Performance of steam and hot water heating systems and related equipment	33 700 00	July 1, 1962
Kretschmer Corp.	Wheat germ oil and feasibility of its use with athletic groups	2 500 00	June 6, 1962
National Lime Association	Prospectus for lime-pozzolan mixtures	7 500 00	July 1, 1962
Pozzolan Products Co., Inc.	Prospectus for lime-pozzolan mixtures	3 125 00	July 1, 1962
State of Illinois Department of Conservation	Wildlife research studies	94 500 00	July 1, 1962
State of Illinois Department of Mental Health Project No. 1723	Psychosomatic differentiation in infancy	59 576 00	July 1, 1962
State of Illinois Department of Mental Health Project No. 1747	Relation of neural metabolism to function	29 500 00	July 1, 1962
United States Air Force AF 18(603) 62	High energy bunched electron beams	5 776 17	August 14, 1962
United States Air Force AF 19(604) 5565	Processes in the ionosphere by means of gyro interaction experiments carried out with rockets	6 000 00	July 17, 1962
United States Air Force AF 29(601) 4508	Analysis and design of domes, arches, and shells	35 000 00	June 5, 1962
United States Air Force AF 49(638) 63	Transistor—RC network synthesis	7 272 82	July 27, 1962
United States Air Force AF 49(638) 556	Modulation and detection of light at microwave frequencies	4 885 53	August 14, 1962
United States Air Force AF 49(638) 763	Electron microscopy of ultrasonically irradiated muscle	1 452 82	June 26, 1962
United States Army DA 18-064-404-CML-426	Synthesis of fluorine compounds	15 500 00	July 17, 1962
United States Army DA 36-039-SC-87264	Design of a direction-finder system	89 899 00	June 28, 1962
United States Army DA 49-193-MD-2047	Antiradiation drugs	26 011 00	July 19, 1962
United States Army DA 49-193-MD-2133	Biochemistry of the inhibitory or receptor-like substances with which influenza viruses react	20 868 00	June 26, 1962
United States Atomic Energy Commission AT (11-1) 791	Effect of X-ray irradiation on enzymatic activity and nucleic acid metabolism in seeds and seedlings of <i>Zea mays</i>	18 354 00	June 21, 1962
United States Atomic Energy Commission AT (11-1) 1018	Pattern recognition and data handling problems arising in the analysis of bubble chamber photographs of high energy particle events	48 840 00	June 26, 1962
United States Atomic Energy Commission AT (11-1) 1046	Fatigue behavior of dilute nitrogen	26 700 00	June 21, 1962
United States Department of Health, Education, and Welfare OE 2-10-050	General relations of changes of interest and personality to changes of school performance in normal children	4 140 00	June 8, 1962

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Department of Health, Education, and Welfare OE 2-12-081	Counseling and guidance training institute	\$ 2 413 00	June 19, 1962
United States Navy NObsr—64723	Restricted	357 466 00	June 19, 1962
United States Navy Nonr 1834 (05)	Nuclear disintegration schemes and nuclear interactions of cosmic rays	918 500 00	May 22, 1962
United States Navy Nonr 1834 (34)	Luminescence of marine organisms	19 742 00	July 17, 1962
United States Navy Nonr 1834 (39)	Structure of individual differences in psychological phenomena	17 242 00	July 20, 1962
Velsicol Corp.	Heptachlor epoxide residues in meat and milk	2 000 00	July 9, 1962
<i>Total</i>		<u>\$1 903 463 34</u>	

#### Adjustments Made in 1961-62 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Twenty-five items: \$650.00 deduct to \$207.22	\$ 991 85 (Deduct)	June and July, 1962

This report was received for record.

#### QUARTERLY REPORT OF THE COMPTROLLER

(31) The Comptroller presented his quarterly report to the Board as of June 30, 1962.

This report was received for record, and a copy has been filed with the Secretary of the Board.

#### NOTICE OF CHANGE IN POLICIES AND PROCEDURES CONCERNING RETROACTIVE SALARY AND WAGE ADJUSTMENTS

(32) The University has received official notice that retroactive salary adjustments can no longer be made. The University must, therefore, modify certain of its policies and procedures accordingly. These changes will be effective for all future negotiations and for negotiations now underway effective sixty days after the date of this action.

##### NONACADEMIC

##### 1. *Effective Date of Prevailing Rate Changes*

Wage rates established in accordance with the University policy of paying prevailing rates will become effective: (1) on the date they are put into effect locally, or (2) on the first day of the month following the date official notice in writing from the Union involved that a specific rate will be in effect or is in effect locally is received by the University's Labor Relations Officer in the Office of Nonacademic Personnel—whichever is later. (Section III, paragraph 1, page 5, of the University Policy and Rules Relating to Compensation and Working Conditions of Nonacademic Employees must be corrected.)

##### 2. *Negotiated Agreements*

Rates established by negotiated agreements may become effective not earlier than the first day of the month following the date on which all parties involved have indicated their willingness to accept the rates or rate schedules which become a part of the agreement.

##### 3. *Departmental Recommendations for Nonacademic Salary or Wage Amounts Determined by Other Than Prevailing Rate or Negotiated Group Agreements*

Such salary or wage amounts may become effective not earlier than the first day of the payroll period next following the date on which they are approved by the Office of Nonacademic Personnel.

##### ACADEMIC

Recommendations for adjustments in academic salary rates will be effective at the beginning of the first payroll period following the date of approval by the University.

President Henry stated that he concurs in the recommended changes.

On motion of Mr. Swain, these changes in policies and procedures were approved.

#### ILLINOIS CITIZENS EDUCATION COMMITTEE

Mrs. Watkins reported on a conference on the Junior College Development in Illinois held in Springfield, on August 28, 1962, which she attended as a representative of the Board of Trustees. The conference was organized by the Continuing Education Committee of the Illinois Citizens Education Committee. She distributed copies of the proceedings of the conference.

#### NOVEMBER MEETING

President Henry stated that the University's capital budget and building program for 1963-65 will not be ready for official action thereon by the Board of Trustees at the October meeting of the Board. State law requires filing budget estimates no later than November 15. Since the regular November meeting of the Board is presently scheduled for November 21, consideration should be given to a special meeting of the Board prior to November 15, or changing the date of the regular meeting.

President Henry also stated that plans are now being made for a ceremony in November dedicating the Radio and Telescope constructed by the University near Danville, Illinois, with funds provided by the United States Navy through its Office of Naval Research. The participation of members of the Board of Trustees and other University officials is desired.

Officers of the Danville Chamber of Commerce wish to assist in sponsoring the dedication with a public luncheon and program with the Chamber as host to the Trustees and other participants in the ceremony by way of expressing the appreciation of the Danville community for the installation of the Radio Telescope in that area.

On motion of Mr. Williamson, the Board voted to change the date of the November meeting from November 21 to November 9, to be held in Danville, Illinois, at a place and according to a schedule to be determined by the President and Secretary of the Board.

Mr. Clement presented the following resolution:

#### GREETING TO MR. ROBERT ALLERTON

Eighteen years ago this month, Mr. Robert Allerton offered to deed to the University his estate "The Farms" for educational and research purposes to be used as a forest, wildlife, and plant life preserve, as an example of landscape architecture, and as a public park. The offer was accepted by the Board of Trustees and the gift was formalized two years later by two indentures between Mr. Allerton and the Board of Trustees, one conveying to the University the "Woodland Property" including the homestead in which we are now meeting, and the approximately 1,685 acres of surrounding forest and garden land which is "The Robert Allerton Park," a public park, including a deed of 4,500 acres of farm land in Piatt County as an endowment for the maintenance and operation of the Park; and the other indenture conveying to the University land for use as a 4-H Club camp for 4-H Club activities.

Through the years, the Park has served the public. Allerton House, after extensive remodeling to adapt it for institutional use, has been an off-campus University extension center for short courses, seminars, other educational programs, and for meetings which are in areas of University service to the state outside of classrooms and laboratories on the campuses.

Mr. Allerton created this beautiful estate and built this mansion at the turn of the century. This house was his home for more than forty years, although he traveled extensively and lived elsewhere part of each year. When he decided that he wanted to live permanently in Hawaii, where he built another famous garden estate, he very generously gave "The Farms" to the University; and in

order that the "Woodland Property"—Robert Allerton Park, so named by the Board—would be operated at no expense to the public, he endowed it with farm lands, the income from which is used for the operation and maintenance of the Park and to some extent the House.

It is very fitting that on the occasion of today's meeting of the Board of Trustees at Allerton House, the Board again record its deep appreciation on behalf of the University of Illinois and the people of the state for what Mr. Robert Allerton and his adopted son, Mr. John Gregg, have done for them and that this resolution be sent to Mr. Allerton as a greeting from the Board of Trustees.

The resolution was unanimously adopted.

#### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations, declinations, and terminations; leaves of absence; retirement.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

- ADES, HARLOW W., Consultant in Electrical Engineering (S), one year from September 1, 1962, \$3,000 (8-21-62).
- ADKINS, RICHARD W., Assistant in Mechanical Engineering (C), nine months from September 16, 1962, \$5,700 (7-3-62).
- ADUSS, HOWARD, Research Associate in Dental Administration (Dentistry),  $\frac{3}{4}$  time, one year from September 1, 1962, \$4,800 (7-30-62).
- ALDERSON, C. ROLAND, Administrative Assistant in the College of Commerce and Business Administration, one year from September 1, 1962, \$9,000 (8-1-62).
- ALEXANDER, RICHARD W., Assistant in English, nine months from September 16, 1962, \$4,000 (8-8-62).
- ALFELD, WILLIAM W., Instructor in Journalism, academic year beginning September 1, 1962, \$6,400 (7-9-62).
- ALLEN, ALFRED W., Professor of Ceramic Engineering (C), one month from July 16, 1962, \$1,333; this is in addition to his present appointment (7-9-62).
- ALLHANDS, JESSIE, Instructor in Mathematics, academic year beginning September 1, 1962, \$5,400 (8-29-62).
- AMON, ALBERT H., Assistant Professor of Psychology, Digital Computer Laboratory and Department of Psychology, academic year beginning September 1, 1962, \$6,500 (7-3-62).
- ANDERSEN, SAYRE D., Assistant in English, nine months from September 16, 1962, \$4,200, supersedes (8-8-62).
- ANDERSON, EDNA L., Assistant Professor of Nursing and Administrative Assistant to the Dean of the College of Nursing, two years from September 1, 1962, \$10,300 a year, supersedes (7-30-62).
- ANDERSON, MRS. MARY P., Research Assistant in Chemistry, one year from September 1, 1962, \$6,000 (8-29-62).
- ANDERSON, WILLIAM L., Project Assistant in the State Natural History Survey, two months from July 1, 1962, \$490 a month, supersedes (7-9-62).
- ANDREWS, ROLLIN D., III, Project Assistant in Aquatic Biology, and in the Illinois Natural History Survey, two months from July 1, 1962, \$430 a month, supersedes (8-14-62); and on full time, September 1-15, 1962, and June 1-August 31, 1963, \$5,160 a year, and on  $\frac{1}{2}$  time, September 16, 1962-May 31, 1963, \$2,580 a year, supersedes (8-14-62).
- ANTENEN, WAYNE W., Research Associate in Education, to render service during the first semester of the academic year, September 1, 1962-February 28, 1963, \$5,400 a year (8-1-62).
- ANZALONE, CHARLENE, Instructor in Physical Education for Women (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$5,500 (8-3-62).
- ARNOLD, MARJORIE L., Research Associate in Chemistry, one year from September 1, 1962, \$6,500 (8-8-62).
- ATLAS, AMOS, Research Associate in Theoretical and Applied Mechanics (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$2,700, supersedes (8-21-62).

- AXEL, PETER, Professor of Physics (C), August 1-15, 1962, \$616.66; this is in addition to his present appointment (8-14-62).
- BABCOCK, MURRAY L., Research Assistant Professor of Electrical Engineering (S), one year from September 1, 1962, \$9,200, supersedes (8-29-62).
- BADER, ROBERT S., Associate Professor of Zoology, June 16-August 31, 1962, \$2,417; this is in addition to his present appointment (7-9-62).
- BAIN, ROBERT A., Assistant in English, nine months from September 16, 1962, \$4,200, supersedes (8-8-62).
- BAIRD, JACK R., Research Assistant in Electrical Engineering (S), one year from September 1, 1962, \$6,000, supersedes (8-14-62).
- BAKER, ROBERT A., Research Associate in Music, nine months from September 16, 1962, \$5,200 (7-3-62).
- BALDWIN, JOHN E., Instructor in Organic Chemistry, academic year beginning September 1, 1962, \$6,500 (7-3-62).
- BARKER, MARVIN W., Research Associate in Chemistry, one year from September 1, 1962, \$5,850 (7-30-62).
- BARKER, TWILEY W., JR., Associate Professor of Political Science (Chicago Undergraduate Division), indefinite tenure from September 1, 1962, to render service during each academic year, \$9,000 a year (7-9-62).
- BARLOW, GEORGE W., Assistant Professor of Zoology, June 16-August 31, 1962, \$1,945; this is in addition to his present appointment (7-9-62).
- BARTHA, TAMAS I., Instructor in Mathematics (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$5,000 (7-9-62).
- BARTKY, SANDRA S., Instructor in Philosophy (Chicago Undergraduate Division),  $\frac{1}{2}$  time, ten months from September 1, 1962, \$2,700 (7-30-62).
- BARTON, FURMAN W., Assistant Professor of Civil Engineering (C and S), academic year beginning September 1, 1962, \$7,600, supersedes (8-16-62).
- BARTRAM, HARLAN G. H., Assistant Professor of Mathematics, academic year beginning September 1, 1962, \$8,500 (8-6-62).
- BATEMAN, BARBARA D., Research Associate in the Institute for Research on Exceptional Children, July 1, 1962-August 31, 1963, \$8,000 a year (7-16-62).
- BATEMAN, FELICE D., Assistant Professor of Mathematics,  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$4,000 (8-29-62).
- BAUMAN, STEVEN, Research Assistant in Mathematics,  $\frac{1}{2}$  time, June 16-July 1, 1962, and July 15-August 31, 1962, \$222.22 a month, and on full time from July 1-15, 1962, \$444.44 a month (7-16-62).
- BAUMEISTER, ROGER L., Instructor in Speech (Chicago Undergraduate Division),  $\frac{3}{4}$  time, academic year beginning September 1, 1962, \$3,600 (7-9-62).
- BERBERMAN, MAX, Professor of Education (University High School), indefinite tenure from September 1, 1962, to render service during each academic year, \$16,500 a year (7-9-62).
- BECKER, RICHARD W., Research Assistant in the Institute of Communications Research (College of Journalism and Communications), two months from June 16, 1962, \$444.44 a month, supersedes (8-3-62).
- BENNETT, DELMOND N., Assistant Professor of Speech and Theatre and Summer Residential Program, Summer Session of 1962, June 16-August 11, 1962, \$1,445 for the period, supersedes previous Summer Session appointment (7-19-62).
- BENTZ, WILBERT G., Instructor in Hygiene and Psychiatric Social Worker (Health Service), one year from September 1, 1962, \$8,500 (7-17-62).
- BEREITER, CARL, Assistant Professor of Education, June 18-August 11, 1962, \$1,778; this is in addition to his present appointment (7-25-62).
- BERESKIN, BEN, Research Associate in Dairy Science (S), one year from September 1, 1962, \$6,850 (8-8-62).
- BERGER, JACQUES, Research Assistant in Zoology, June 16-August 31, 1962, \$1,111 (7-9-62).
- BERINGER, MRS. MARY N., Instructor in German, academic year beginning September 1, 1962, \$5,800 (7-30-62).
- BERLANDE, JACQUES, Visiting Research Associate in Electrical Engineering (S), one year from September 1, 1962, \$6,000 (7-30-62).
- BEVAN, MARGARET M., Head Resident and Coordinator, Tried, ten months from September 1, 1962, \$4,800; for the convenience of the University she will receive board and room valued at \$31 a month (8-3-62).



- BIANCHI, DOMINIC R., Assistant in English, nine months from September 16, 1962, \$4,000 (6-18-62).
- BIEGLER, THOMAS, Research Associate in Chemistry, September 18, 1962-August 31, 1963, \$6,300 a year, supersedes (8-29-62).
- BINGHAM, FELTON W., Research Associate in Physics (C), July 16-August 31, 1962, \$625 a month, and one year from September 1, 1962, \$7,500 (7-9-62).
- BIRDWHISTELL, RALPH K., Visiting Lecturer in Chemistry, nine months from September 16, 1962, \$9,500 (7-30-62).
- BIRDZELL, RUTH A., Research Assistant Professor in the Bureau of Economic and Business Research, one year from September 1, 1962, \$7,950 (7-26-62).
- BLACHFORD, CAMERON W., Instructor in Electrical Engineering (C), academic year beginning September 1, 1962, \$5,400 (7-30-62).
- BLAYLOCK, WILLIAM C., Assistant in Spanish, academic year beginning September 1, 1962, \$6,200 (8-16-62).
- BLENKNER, CHARLES L., Assistant in English, nine months from September 16, 1962, \$4,200 (8-29-62).
- BLEVINS, WILLIAM B., Resident Manager of Peahody Drive Residence Halls, one year from September 1, 1962, \$4,200; for the convenience of the University he will also receive board and room valued at \$376 a year, supersedes (8-16-62).
- BLOODGOOD, DEAN P., Instructor in Art, academic year beginning September 1, 1962, \$5,800 (8-1-62).
- BLOSTEIN, RHODA, Research Associate in Chemistry,  $\frac{1}{2}$  time, one year from September 1, 1962, \$3,250 (8-27-62).
- BLUM, MARK F., Assistant in Surgery (Medicine), one year from July 1, 1962, without salary (7-9-62).
- BLUMENTHAL, JEROME S., Assistant in English (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,800 (7-17-62).
- BOAS, GLENN, Instructor in Dentistry (Dentistry),  $\frac{1}{2}$  time, one year from September 1, 1962, \$2,800 (7-17-62).
- BOBOTEK, HENRY, Research Associate in the Coordinated Science Laboratory (C), September 1-November 15, 1962, \$1,437.50, supersedes (8-21-62).
- BODNAR, PETER, Instructor in Art, academic year beginning September 1, 1962, \$6,400 (7-30-62).
- BOHL, ROBERT W., Professor of Mining and Metallurgy (C), one month from July 16, 1962, \$1,144; this is in addition to his present appointment (7-9-62).
- BOHMER, HEINRICH, Research Associate in the Coordinated Science Laboratory (C), one year from September 1, 1962, \$7,000 (7-30-62).
- BONNEY, WARREN C., Associate Professor of Education, indefinite tenure from September 1, 1962, to render service during each academic year, \$9,500 a year, supersedes (8-28-62).
- BOSWORTH, R. C. L., Visiting Professor of Chemical Engineering, February 1-June 15, 1963, \$5,300 (7-2-62).
- BOWERS, JOHN E., Director of Testing in the Office of Admissions and Records, one year from September 1, 1962, \$10,500 (7-20-62).
- BRATTON, EDWARD W., Assistant in English, nine months from September 16, 1962, \$4,400, supersedes (8-8-62).
- BREMS, HANS, Research Professor, Principal Investigator, National Science Foundation Research (Economics), July 5-September 5, 1962, \$3,267; this is in addition to his present appointment (7-20-62).
- BRIDGES, THOMAS W., Instructor in Music, academic year beginning September 1, 1962, \$6,775 (7-31-62).
- BRILEY, BRUCE E., Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1962, \$4,600 (7-3-62).
- BROKAW, KURT J., Instructor in Advertising (College of Journalism and Communications) academic year beginning September 1, 1962, \$7,500 (8-15-62).
- BROOKS, F. LESLIE, Instructor in Physical Chemistry, one year from September 1, 1962, \$8,310 (8-21-62).
- BROWN, GORDON E., Instructor in Mathematics, academic year beginning September 1, 1962, \$6,500 (8-14-62).
- BROWN, O. ROBERT, JR., Research Assistant in Education (University High School), nine months from September 16, 1962, \$6,800 (6-27-62).

- BRUNGARDT, GILBERT A., Instructor in Music,  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$3,550 (7-9-62).
- BUCHHOLZ, EUGENE K., Assistant in Mechanical Engineering (C), nine months from September 16, 1962, \$5,300 (8-16-62).
- BUINAUSKAS, PETER, Clinical Instructor in Surgery (Medicine),  $\frac{2}{3}$  time, one year from September 1, 1962, \$3,000 (8-1-62).
- BURKHOLDER, DONALD L., Associate Professor of Mathematics, August 16-31, 1962, \$545; this is in addition to his present appointment (8-14-62).
- BURTON, LESLIE J., Instructor in Accountancy (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$5,400 (8-14-62).
- BYERS, VINCENT W., Assistant Professor of Speech and Theatre and Summer Residential Program, Summer Session of 1962, June 18-August 11, 1962, \$1,556, supersedes previous Summer Session appointment (7-19-62).
- CAIRNS, JOHN F., Research Associate in Chemistry, one year from September 1, 1962, \$6,600 (7-2-62).
- CAMERON, NEIL M., Research Associate in Theoretical and Applied Mechanics (C),  $\frac{2}{3}$  time, academic year beginning September 1, 1962, \$3,700, supersedes (7-30-62).
- CAQUELIN, HOWARD J., Assistant Counselor in the Office of Foreign Student Affairs, August 13, 1962-August 31, 1963, \$6,500 a year (8-8-62).
- CARROLL, JOHN R., Lecturer in Mechanical Engineering (C),  $\frac{2}{3}$  time, academic year beginning September 1, 1962, \$7,500 (8-3-62).
- CASTEEL, DAVID A., Project Assistant in the State Natural History Survey, two months from July 1, 1962, \$360 a month, supersedes (7-9-62).
- CASTEN, SABINE A., Instructor in Chemistry (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$5,600 (7-9-62).
- CHAKRAVARTI, SUSIL K., Research Associate in Chemistry, two months from September 1, 1962, \$525 a month (8-27-62).
- CHAN, SHU-PARK, Research Associate in the Coordinated Science Laboratory (C),  $\frac{1}{2}$  time, one year from September 1, 1962, \$3,300 (8-21-62).
- CHAPDU, ROBERT E., Instructor in Business English, academic year beginning September 1, 1962, \$5,500 (8-8-62).
- CHAPIN, F. STUART, Visiting Professor of City Planning and Landscape Architecture and Associate Member of the Center for Advanced Study, nine months from September 16, 1962, \$12,000 (7-27-62).
- CHAPMAN, PETER J., Research Associate in Chemistry, one year from September 1, 1962, \$6,300 (8-27-62).
- CHU, CHIH-YU, Research Assistant in Horticulture (S), one year from September 1, 1962, \$5,800 (7-17-62).
- CHURCHWELL, MRS. YVONNE R., Acquisition Assistant in the Library, July 1, 1962-August 31, 1963, \$5,550 a year (7-9-62).
- CIPLIJAUSKAITE, DANUTE, Assistant in Foreign Languages (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,800 (7-2-62).
- CLARKE, KENNETH S., Supervisor of Recreation and Athletics, with rank of Instructor, Student Rehabilitation Center (College of Physical Education), one year from September 1, 1962, \$7,250, supersedes (8-24-62).
- CLAUSEN, EDWARD M., Research Assistant in Ceramic Engineering (S), five months from September 1, 1962, \$2,200 (8-16-62).
- COLACURCIO, MICHAEL J., Assistant in English, nine months from September 16, 1962, \$4,200 (8-8-62).
- COLEMAN, HAROLD M., Instructor in Chemistry (Chicago Undergraduate Division),  $\frac{3}{4}$  time, academic year beginning September 1, 1962, \$5,100 (7-9-62).
- CONRON, MICHAEL A., Instructor in the Institute of Aviation, one year from September 1, 1962, \$8,400 (8-3-62).
- COOLEY, MARCIA J., Reference Assistant in the Library, one year from September 1, 1962, \$5,400 (7-9-62).
- CORDELL, HOWARD W., Instructor in Library Science, academic year beginning September 1, 1962, \$6,000 (6-27-62).
- CORLISS, JOHN O., Professor of Zoology, June 16-August 31, 1962, \$2,778; this is in addition to his present appointment (7-9-62).
- CORNELL, HARRISON K., Educational Script Writer for Television (College of Journalism and Communications), one year from September 1, 1962, \$7,000 (7-9-62).

- COTTER, ALICE W., Assistant to the Dean of Women, August 15-31, 1962, \$250 (7-9-62); and Head Resident, Allen Hall (South), ten months from September 1, 1962, \$5,200; for the convenience of the University she will also receive board and room valued at \$31 a month (8-3-62).
- COTTRELL, RAYMOND S., JR., Research Associate in the Institute for Research on Exceptional Children, one year from September 1, 1962, \$8,950 (7-30-62).
- COUKOULIS, MRS. HELEN, Research Assistant in Microbiology, one year from September 1, 1962, \$5,800 (8-8-62).
- CRAIG, JAMES M., JR., Instructor in the Institute of Aviation, one year from September 1, 1962, \$8,400 (8-3-62).
- CRANDALL, CORYL, Assistant in English, September 16, 1962-January 31, 1963, \$444.44 a month (8-8-62).
- CREMER, SHELDON E., Research Associate in Chemistry, one year from October 1, 1962, \$6,000 (7-30-62).
- CUDIA, DENNIS F., Research Assistant in Mathematics, one month from July 1, 1962, \$445 (7-17-62).
- CUMMINS, RICHARD L., Research Associate in the Digital Computer Laboratory, academic year beginning September 1, 1962, \$6,500 (7-2-62).
- CURTIS, HERBERT J., Associate Professor of Mathematics and Head of the Division (Chicago Undergraduate Division), indefinite tenure from September 1, 1962, to render service during each academic year, \$10,100 a year, supersedes (7-31-62).
- DAILEY, MARY E., Assistant in English, nine months from September 16, 1962, \$4,000 (6-18-62).
- DAS, ARUP K., Instructor in Oral Pathology (Dentistry), one year from September 1, 1962, \$7,500 (8-3-62).
- DAVIS, GEORGE C., JR., Assistant in History, Summer Session of 1962, June 18-August 11, 1962, \$889, supersedes previous Summer Session appointment (7-13-62).
- DAVIS, WILLIAM K., Instructor in Architecture, academic year beginning September 1, 1962, \$6,400 (7-11-62).
- DAY, NORMAN D., Assistant Professor of Architecture,  $\frac{2}{3}$  time, academic year beginning September 1, 1962, \$5,140 (7-11-62).
- DEAM, EDWARD L., Associate Professor of Architecture (Chicago Undergraduate Division), two years from September 1, 1962, to render service during each academic year, \$9,000 a year (7-17-62).
- DEN OUDEN, GERRIT, Research Associate in Physics (C), one year from September 1, 1962, \$7,500 (6-29-62).
- DERBER, ZELDA, Associate Editor in Law, with rank of Instructor, July 1, 1962-August 31, 1963, \$6,000 a year (7-16-62).
- DERBYSHIRE, WILLIAM, Research Associate in Chemistry, one year from October 1, 1962, \$6,500 (8-27-62).
- DESCLOUX, JEAN, Research Associate in the Digital Computer Laboratory, September 16, 1962-January 31, 1963, \$777.77 a month (6-5-62).
- DEVINE, RICHARD A., Research Assistant in the Small Homes Council-Building Research Council, July 9-August 31, 1962, \$444.44 a month, supersedes (8-3-62).
- DICK, RICHARD I., Instructor in Sanitary Engineering (Civil Engineering) (C and S), academic year beginning September 1, 1962, \$6,500 (8-3-62).
- DIXON, MARGIE K., Assistant in Chemistry, nine months from September 16, 1962, \$4,400 (8-16-62).
- DJORUP, FRANS E., Instructor in Mathematics, three months from June 16, 1962, \$2,334; this is in addition to his present appointment (7-9-62).
- DONOVAN, DENNIS G., Assistant in English, nine months from September 16, 1962, \$4,300 (8-8-62).
- DOUGLAS, GEORGE H., Assistant Editor, with rank of Instructor (S and E), one year from September 1, 1962, \$6,300 (7-30-62).
- DOUTHART, RICHARD J., Research Assistant in Chemistry, two months from June 16, 1962, \$890 (7-11-62).
- DRUMMOND, HAROLD A., Lecturer in Medical and Dental History, with rank of Associate Professor (Dentistry),  $\frac{1}{10}$  time, indefinite tenure from September 1, 1962, \$1,000 a year (7-30-62).

- DuBois, WILLIAM R., Assistant in English, nine months from September 16, 1962, \$4,000 (8-16-62).
- DUGGAN, THOMAS J., Research Assistant in the Office of Community Development, two months from July 1, 1962, \$445 a month (8-21-62).
- DYSART, MARGARET, Research Associate in Cytochemistry (Pharmacy),  $\frac{1}{4}$  time, one year from July 1, 1962, \$4,500 (8-1-62).
- EDA, KEIICHI, Research Associate in Chemistry, two months from July 1, 1962, \$500 a month (8-21-62).
- EDWARDS, WILLIAM R., Research Associate in the Illinois Natural History Survey, one year from September 1, 1962, \$7,400 (8-24-62).
- EHRET, THOMAS K., Assistant in English, nine months from September 16, 1962, \$4,200 (8-8-62).
- EISEN, NATHANIEL H., Assistant Professor of Psychology,  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$4,200 (8-27-62).
- ELDRIDGE, WINFIELD H., Associate Professor of Astronomy, two months from June 16, 1962, \$911.11 a month (additional and superseding) (7-16-62).
- ELLIS, JACK A., Research Associate in the State Natural History Survey, two months from July 1, 1962, \$600 a month, supersedes (7-9-62).
- ELLIS, RALPH J., Research Associate in the State Natural History Survey, two months from July 1, 1962, \$560 a month, supersedes (7-9-62).
- ELLIS, VIRGINIA, Head Resident, Allen Hall (North), ten months from September 1, 1962, \$5,000; for the convenience of the University she will be furnished board and room valued at \$31 a month (8-3-62).
- ELSEY, JOHN C., Research Associate in the Coordinated Science Laboratory (C), one year from September 1, 1962, \$6,000 (8-21-62).
- ENATA, ELOISE C., Instructor in English, academic year beginning September 1, 1962, \$6,500 (8-30-62).
- ENGANDELA, VICTOR, Instructor in Medical Social Work (Medicine), two months from July 1, 1962, \$600 a month, supersedes (8-29-62); and one year from September 1, 1962, \$7,200, supersedes (8-8-62).
- ENGBRECHT, RICHARD S., Professor of Sanitary Engineering (Civil Engineering) (S), two months from June 16, 1962, \$2,555.56 (additional and superseding) (7-9-62).
- ERICKSON, DONALD V., Instructor in English, academic year beginning September 1, 1962, \$4,800 (8-14-62).
- ERIKSEN, CHARLES W., Professor of Psychology, on indefinite tenure from September 1, 1962; Associate Member of the Center for Advanced Study, September 1, 1962-February 28, 1963; and on sabbatical leave of absence March 1-August 31, 1963; annual salary, \$13,400 (7-27-62).
- EWING, BEN B., Professor of Sanitary Engineering (Civil Engineering) (S), two months from June 16, 1962, \$2,222.22 (additional and superseding) (7-9-62).
- EXLINE, GERALD L., Instructor in Architecture, September 1, 1962-February 28, 1963, \$7,500 a year (8-16-62).
- FALK, BARBARA M., Research Assistant in Preventive Medicine (Medicine), June 20, 1962-August 31, 1963, \$5,400 a year (7-17-62).
- FARA, HARRY, Instructor in Petroleum Engineering (C), nine months from September 16, 1962, \$6,600 (8-9-62).
- FELDMAN, SHELDON, Research Associate in the Institute of Communications Research (College of Journalism and Communications), June 16, 1962-May 31, 1963, \$722.22 a month (7-3-62).
- FERBER, MRS. MARIANNE A., Lecturer in Economics,  $\frac{1}{2}$  time, nine months from September 16, 1962, \$2,250 (8-29-62).
- FERGUSON, MARIE A., Assistant Professor of Psychology, in Social Sciences, and Counselor in the Student Counseling Service (Chicago Undergraduate Division), one year from September 1, 1962, \$8,300 (6-18-62).
- FIEDLER, MARY A., Research Assistant in Preventive Medicine (Medicine), June 1, 1962-August 31, 1963, \$5,800 a year (7-25-62).
- FISHER, ROGER J., Research Assistant in Sociology, nine months from September 16, 1962, \$5,400 (8-21-62).
- FLANAGAN, MALACHI J., Instructor in Urology (Surgery) (Medicine), 7/10 time, July 1, 1962-August 31, 1963, \$6,290 a year (7-17-62).
- FLENNER, MRS. JACQUELINE W., Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1962, \$4,400 (6-11-62).

- FLOWERS, RAYMOND W., Research Assistant in Medicine (Medicine), one year from July 1, 1962, \$4,900 (7-9-62).
- FOGHT, MRS. MARTHA, Research Assistant in Zoology, one year from August 1, 1962, \$5,200 (8-24-62).
- FORRESTER, ROBERT A., Instructor in Architecture, academic year beginning September 1, 1962, \$6,000 (7-11-62).
- FOX, ROBERT P., Instructor in English, academic year beginning September 1, 1962, \$6,200 (7-3-62).
- FRAIL, CATHERINE, Assistant, Counseling in the Student Counseling Service, one year from September 1, 1962, \$5,300 (8-16-62).
- FREEDMAN, MARVIN, Instructor in Psychiatry (Medicine), one year from July 1, 1962, without salary (7-9-62).
- FRIEDLANDER, ROBERT A., Instructor in History, academic year beginning September 1, 1962, \$6,000 (7-3-62).
- FRIEND, GEORGE L., Assistant in English, nine months from September 16, 1962, \$4,000 (8-8-62).
- FUJII, TOZO, Research Associate in Chemistry, October 1, 1962-September 30, 1963, \$6,000 (6-11-62).
- FULLER, GERALD R., Instructor in Agricultural Education, one year from September 1, 1962, \$8,800 (8-21-62).
- FUMENTO, ROCCO L., Assistant Professor of English, Summer Session of 1962, June 18-August 11, 1962, \$1,445, supersedes previous Summer Session appointment (7-13-62).
- GADDY, OSCAR, Research Assistant Professor of Electrical Engineering (S), three months from June 1, 1962, \$791.67 a month, supersedes (7-27-62); and one year from September 1, 1962, \$9,500 (8-14-62).
- GAIDES, GLEN E., Instructor in Physical Science (Division of General Studies), academic year beginning September 1, 1962, \$6,000, supersedes (7-30-62).
- GALBRAITH, RUTH L., Associate Professor of Textiles (Home Economics) (C and S), indefinite tenure from September 1, 1962, \$12,000 a year, supersedes (7-30-62).
- GANS, MRS. RENA, Research Assistant in the State Water Survey, one year from July 1, 1962, \$5,400 (7-9-62).
- GARDNER, JEANNE C., Instructor in Mathematics (Chemistry) (Pharmacy), academic year beginning September 1, 1962, \$5,400 (7-9-62).
- GEOGHEGAN, PATRICK M., Assistant in English, nine months from September 16, 1962, \$4,000 (8-14-62).
- GEYER, WAYNE A., Research Associate in Forestry (S), August 1, 1962-August 31, 1963, \$6,000 a year (8-1-62).
- GIBSON, ANNE F., Resident Assistant, Allen Hall (South), ten months from September 1, 1962, \$1,600; for the convenience of the University she will also receive an apartment and meals (7-30-62).
- GIESELMAN, ROBERT D., Instructor in English, Summer Session of 1962, ½ time, June 18-August 11, 1962, \$534 (7-9-62).
- GILVYDIS, ANTHONY A., Research Assistant in the Digital Computer Laboratory, August 16-September 15, 1962, \$444.44 a month (8-3-62).
- GOBBEL, MRS. GERTRUDE G., Assistant in Home Economics (C), nine months from September 16, 1962, \$4,100 (8-27-62).
- GOETZ, IRA, Instructor in Russian, academic year beginning September 1, 1962, \$6,000 (7-3-62).
- GOLAND, PHILIP, Research Associate in Orthodontics (Dentistry), July 1, 1962-March 31, 1963, \$625 a month (7-9-62).
- GOLDBERG, SAMUEL I., Associate Professor of Mathematics, two months from July 1, 1962, \$2,333.32 (additional and superseding) (7-9-62).
- GOLDEN, BERNARD, Research Assistant in Anthropology (College of Liberal Arts and Sciences and College of Engineering), three months from June 16, 1962, \$1,500 (7-16-62).
- GOLDING, SANFORD, Assistant Professor of English, Summer Session of 1962, ½ time, June 18-August 11, 1962, \$745 (7-9-62).
- GOLDSTEIN, LADISLAS, Professor of Electrical Engineering (C), one month from June 16, 1962, \$2,077.77 (superseding and additional) (7-20-62).
- GOMOLL, ALLEN W., Assistant Professor of Pharmacology (Medicine), academic year beginning September 1, 1962, \$8,500 (7-30-62).

- GOSSLING, MRS. JENNIFER, Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station), July 1, 1962-August 31, 1963, \$5,100 a year (7-27-62).
- GOTTLIEB, CARLA, Associate Professor of Art, two years from September 1, 1962, to render service during each academic year, \$9,500 a year (7-12-62).
- GOTTLIEB, DANIEL H., Instructor in Mathematics, academic year beginning September 1, 1962, \$7,000 (8-14-62).
- GRAFF, GEORGE C., Research Assistant in Mathematics, two months from June 16, 1962, \$890 (7-11-62).
- GRANIRER, EDMOND E., Instructor in Mathematics, academic year beginning September 1, 1962, \$7,000 (8-16-62).
- GRAVES, CHARLES N., Research Associate in Dairy Science (S), one year from September 1, 1962, \$7,000, supersedes (8-8-62).
- GRIDLEY, ROY E., Assistant in English, nine months from September 16, 1962, \$4,200 (8-14-62).
- GRIES, ELAINE W., Research Assistant in the Statistical Service Unit, July 3-August 31, 1962, \$408.33 a month (8-8-62).
- GRINNELL, MRS. ELEANOR E., Head Resident, Evans Hall, ten months from September 1, 1962, \$4,700; for the convenience of the University she will also receive board and room valued at \$31 a month (8-3-62).
- GROUTT, THOMAS W., Assistant in English, nine months from September 16, 1962, \$4,000 (8-8-62).
- GRUENER, RAPHAEL P., Research Assistant in the School of Life Sciences, June 16-August 31, 1962, \$444.44 a month (7-16-62).
- GUBACK, THOMAS H., Research Assistant in the Institute of Communications Research, nine months from September 16, 1962, \$4,000 (7-30-62).
- GUCKEL, MRS. MARY A. V., Instructor in German, academic year beginning September 1, 1962, \$5,800 (8-21-62).
- GULLEY, HALBERT E., Professor of Speech,  $\frac{1}{2}$  time, indefinite tenure, to render service during each academic year, and Acting Head of Division of General Studies,  $\frac{1}{2}$  time, academic year, beginning September 1, 1962, \$11,000 a year; and Professor of Speech, indefinite tenure from September 1, 1963, to render service during each academic year, \$10,500 a year (7-25-62).
- GUNTER, FRANK E., Instructor in Art, academic year beginning September 1, 1962, \$6,500 (7-30-62).
- GUROLNICK, CAROL S., Instructor in English (Chicago Undergraduate Division),  $\frac{1}{4}$  time, academic year beginning September 1, 1962, \$1,300 (7-9-62).
- GUY, OSMOND S., Instructor in Art, academic year beginning September 1, 1962, \$5,900 (7-30-62).
- HADDER, JOHN C., Assistant Professor of Biological Sciences (Chicago Undergraduate Division), August 10-31, 1962, \$459 (8-1-62).
- HAIR, BENJAMIN M., Assistant Professor of Preventive Medicine and Acting Coordinator in the Rehabilitation Center (Medicine),  $\frac{4}{5}$  time, July 1, 1962-August 31, 1963, \$12,800 a year (8-3-62).
- HALE, WILLIAM T., Research Associate in Education (University High School), academic year beginning September 1, 1962, \$9,000 (6-27-62).
- HAMILTON, JEAN A., Research Associate in Chemistry, one year from September 1, 1962, \$6,200 (8-27-62).
- HAMILTON, ROBERT C., Instructor in Orthopaedic Surgery (Medicine) and Orthopaedist in the Division of Services for Crippled Children, July 1, 1962-August 31, 1963, \$10,000 a year (8-3-62).
- HAMILTON, TOM S., Administrative Secretary of North Central Agricultural Experiment Station Directors,  $\frac{1}{2}$  time, one year from September 1, 1962, \$7,800 (8-14-62).
- HARPER, ANNE Y., Research Assistant in the Bureau of Economic and Business Research, one year from September 1, 1962, \$5,200 (8-14-62).
- HARPER, JAMES A., Project Assistant in the State Natural History Survey, two months from July 1, 1962, \$490 a month, supersedes (7-9-62).
- HARRISON, LUCILLE, Assistant in the College of Nursing, one year from September 1, 1962, \$6,000 (7-30-62).
- HART, ALICE G., Assistant Professor of Mathematics, three months from June 16, 1962, \$2,668; this is in addition to her present appointment (7-9-62).

- HARTLEY, THOMAS C., Associate Professor of General Engineering (Civil Engineering) (S), one month from June 16, 1962, \$911.11 (additional and superseding) (8-1-62).
- HARUNA, ICHIRO, Research Associate in Microbiology, September 16, 1962-August 31, 1963, \$6,700 a year (8-16-62).
- HASHIMOTO, MANTARO, Research Associate in Linguistics, one year from September 1, 1962, \$5,850 (6-5-62).
- HASSLER, IDA R. P., Research Assistant in Chemistry, August 1, 1962-August 31, 1963, \$4,900 a year (8-27-62).
- HATCH, GAYLORD F., Assistant Dean of Men, one year from September 1, 1962, \$6,800, supersedes (8-21-62).
- HATFIELD, WILLIAM E., Research Associate in Chemistry, one year from September 1, 1962, \$6,100, supersedes (8-8-62).
- HAUCK, MATHEW, Research Associate in the Bureau of Economic and Business Research, one year from September 1, 1962, \$8,500 (8-14-62).
- HAWKINS, HELEN A., Head Resident and Coordinator (Women's), Pennsylvania Avenue Residence Hall, ten months from September 1, 1962, \$5,000; for the convenience of the University she will receive board and room valued at \$31 a month (7-3-62).
- HAYASHI, MASAKI, Research Associate in Microbiology, June 16, 1962-August 31, 1963, \$6,000 a year (7-3-62).
- HEAGARTY, MARY A., Assistant in English, nine months from September 16, 1962, \$4,200, supersedes (8-8-62).
- HEALY, JAMES H., Research Associate in Mechanical Engineering (C), one year from September 1, 1962, \$7,700, supersedes (8-6-62).
- HEFFINGTON, MARVIN D., Supervisor of Division of Intramural Activities, with rank of Assistant in Physical Education for Men, nine months from September 16, 1962, \$6,150 (8-2-62).
- HEINS, MAURICE H., Professor of Mathematics, July 1, 1962-September 15, 1962, \$4,333.33; this is in addition to his present appointment (8-1-62).
- HEINS, ROBERT W., Assistant in Mining Engineering (C), September 16, 1962-January 31, 1963, \$500 a month (7-30-62).
- HEINZE, SHIRLEY J., Instructor in Psychology (Medicine), one year from September 1, 1962, \$7,700 (8-3-62).
- HELM, ALICE C., Assistant in Microbiology, nine months from September 16, 1962, \$4,000 (8-14-62).
- HEMBROUGH, BETTY L., Assistant to the Dean of Women,  $\frac{1}{2}$  time, ten months from September 1, 1962, \$2,000 (7-17-62).
- HEMBROUGH, FREDERICK, Instructor in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), one year from September 1, 1962, \$7,200 (8-27-62).
- HENDERSON, CLAYTON W., JR., Instructor in Music, academic year beginning September 1, 1962, \$6,500 (7-3-62).
- HENDRIX, GERTRUDE, Research Associate Professor of Education (University High School) academic year beginning September 1, 1962, \$11,500 (7-26-62).
- HENNE, BERTRAND W., Assistant in the Institute of Aviation, nine months from September 16, 1962, \$475 a month (8-8-62).
- HERZOG, ELAINE P., Instructor in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1962, June 22-August 18, 1962, \$1,334, supersedes previous Summer Session appointment (7-20-62).
- HIKI, YOSIO, Research Associate in Physical Metallurgy (C), one year from September 1, 1962, \$8,200 (6-27-62).
- HILKER, CARL F., JR., Assistant in the Institute of Aviation, nine months from September 16, 1962, \$4,050 (8-27-62).
- HILL, DIETRICH A., Assistant Professor of Speech, academic year beginning September 1, 1962, \$7,200 (8-14-62).
- HILU, HALIM M., Research Associate in Plant Pathology (S), July 1, 1962-August 31, 1963, \$6,500 a year (8-3-62).
- HIRAI, KENJI, Research Assistant in the Aeromedical Laboratory (Medical Center), one year from September 1, 1962, \$5,500 (6-18-62).
- HIRSCH, JERRY, Associate Professor of Psychology, indefinite tenure from September 1, 1962, \$9,550; September 1, 1962-February 28, 1963, on  $\frac{2}{3}$  time, \$3,183.95; and leave of absence, without pay, March 1-August 31, 1963, supersedes (8-8-62).

- HODGE, ROBERT W., Visiting Lecturer in Sociology (Chicago Undergraduate Division), Summer Session of 1962, June 22-August 18, 1962, \$1,200 (7-17-62).
- HOFFMAN, RICHARD L., Instructor in Histology (Dentistry),  $\frac{3}{5}$  time, one year from September 1, 1962, \$3,650 (8-8-62).
- HOFFMANN, JOSEPH R., Research Associate in Education (University High School) and in the Control Systems Laboratory, academic year beginning September 1, 1962, \$8,100 (7-9-62).
- HOFFMANN, WILMA, Instructor in Foreign Languages (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$5,600 (7-9-62).
- HOGAN, G. RICHARD, Research Assistant in Zoology, June 16-August 31, 1962, \$444.44 a month (7-9-62).
- HOGAN, JAMES J., Instructor in Electrical Engineering (S),  $\frac{3}{4}$  time, one year from September 1, 1962, \$4,500, supersedes (8-1-62).
- HOGG, MRS. LORETTA A., Research Assistant in Microbiology, July 1-September 15, 1962, \$1,111.10 (7-16-62).
- HONMA, TOHIO, Research Associate in Physical Metallurgy (C), one year from September 1, 1962, \$8,000 (6-27-62).
- HORNE, EDGAR B., Research Associate in Education (University High School),  $\frac{1}{2}$  time, June 16-August 11, 1962, \$667; and on  $\frac{1}{2}$  time for the academic year beginning September 1, 1962, \$3,500 (7-9-62).
- HOUSE, JAMES E., JR., Assistant in Physical Science (Division of General Studies), nine months from September 16, 1962, \$4,350 (7-30-62).
- HOUSEHOLDER, DANIEL L., Instructor in Industrial Education, academic year beginning September 1, 1962, \$6,800, supersedes (7-30-62).
- HOUSTON, MARJORIE, Associate Professor of Applied Materia Medica and Therapeutics (Dentistry), indefinite tenure from September 1, 1962,  $\frac{3}{5}$  time, \$6,300 a year (7-17-62).
- HULIN, CHARLES L., Assistant Professor of Psychology, one month from August 1, 1962, \$708.33 (8-1-62).
- HUNT, J. McV., Professor of Psychology, June 16-30, 1962, \$833.33 (additional); and one year from July 1, 1962, \$19,250, and beginning September 1, 1963, on indefinite tenure, to render service during each academic year, \$15,500 a year, supersedes (7-9-62).
- HUTCHINSON, DAVID, Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1962, \$5,850 (6-11-62).
- HUTTON, ROGER S., Assistant in General Engineering (C), nine months from September 16, 1962, \$6,200 (8-14-62).
- ICHIMARU, SETSUO, Research Associate in Physics (C), two months from July 1, 1962, \$600 a month; and one year from September 1, 1962, \$7,200 (7-20-62).
- IDA, MASAKUNI, Research Associate in Physics (C), one year from September 1, 1962, \$7,500 (6-27-62).
- IJAMS, KARL F., Assistant Dean of Men, one year from September 1, 1962, \$6,400 (8-14-62).
- INGLE, JOHN, Research Associate in Plant Physiology (Agronomy) (S), one year from September 1, 1962, \$6,500, supersedes (8-27-62).
- IRWIN, MRS. JOAN E., University High School Librarian, with rank of Instructor, one year from September 1, 1962, \$6,400 (8-14-62).
- JACKSON, MARIAN J., Instructor in Home Economics 4-H Club Work (E), one year from September 1, 1962, \$7,200 (8-16-62).
- JACOB, MONIQUE, Research Associate in Microbiology, one year from September 1, 1962, \$6,000 (8-8-62).
- JACOBSON, ALBERT S., Research Associate in Education (University High School), nine months from September 16, 1962, without salary (8-6-62).
- JAROSCH, HANS S., Visiting Research Associate in the Digital Computer Laboratory, nine months from September 16, 1962, \$6,500 (7-9-62).
- JASPER, ELMER A., Professor of Applied Materia Medica and Therapeutics (Dentistry),  $\frac{3}{5}$  time, indefinite tenure from September 1, 1962, \$7,740 (7-9-62).
- JENKINS, FRANK L., Research Assistant in Mathematics, two months from June 16, 1962, \$889 (7-9-62).
- JOHNSON, HUNTER, Visiting Composer of Music, nine months from September 16, 1962, \$7,800 (7-3-62).
- JOHNSON, PETER, Visiting Lecturer in Chemistry, eleven months from October 1, 1962, \$6,500 a year (7-30-62).



- JOHNSTON, SU ANN K., Assistant Extension Editor (E), one year from September 1, 1962, \$5,000 (8-21-62).
- JONES, ROBERT E., Lecturer in Psychology, with rank of Associate Professor, one year from September 1, 1962, without salary (8-29-62).
- JONES, ROBERT L., Research Associate in Soil Mineralogy (Agronomy) (S), June 16, 1962-August 31, 1963, \$6,500 a year, supersedes (7-20-62).
- JORDAN, LAURA J., Assistant Professor of Education, one year from September 1, 1962, \$9,050 (8-14-62).
- JORDAN, WAYNE R., Assistant in Soil Physics (Agronomy) (S), September 1, 1962-February 28, 1963, \$416.67 a month (8-27-62).
- JOSELYN, GEORGE B., Research Assistant in the State Natural History Survey, two months from July 1, 1962, \$450 a month, supersedes (7-9-62).
- KAHN, SHELDON M., Instructor in Medicine (Medicine), one year from July 1, 1962, \$6,000 (7-9-62).
- KANSKY, ROBERT J., Research Associate in Education (University High School), academic year beginning September 1, 1962, \$6,300 (7-2-62).
- KASKE, ROBERT E., Professor of English, indefinite tenure from September 1, 1962, annual salary of \$13,700; from September 1, 1962, through August 31, 1963, Professor of English and Associate Member in the Center for Advanced Study,  $\frac{1}{2}$  time, \$6,850; and on leave of absence,  $\frac{1}{2}$  time, without pay, one year from September 1, 1962 (7-27-62).
- KASS, CORRINE E., Research Assistant Professor in the Institute for Research on Exceptional Children, one year from September 1, 1962, \$8,300 (7-9-62).
- KATHAN, RALPH, Assistant Professor of Biological Chemistry (Medicine), one year from September 1, 1962, \$11,000, supersedes (8-29-62).
- KEITH, WALTER M., Professor of Landscape Architecture, Small Homes Council-Building Research Council, two months from July 1, 1962, \$2,578; this is in addition to his present appointment (7-25-62).
- KELLER, NAOMI, Resident Assistant, Allen Hall (South), ten months from September 1, 1962, \$1,600; for the convenience of the University she will receive an apartment and meals (8-21-62).
- KELLER, ROY J., Counselor on the University Council on Teacher Education,  $\frac{1}{2}$  time, Instructor in Physical Education for Men,  $\frac{1}{4}$  time, and Counselor in the Student Counseling Service,  $\frac{1}{4}$  time, academic year beginning September 1, 1962, \$6,000, supersedes (8-21-62).
- KELLY, J. ROBERT, Associate Professor of Music, Summer Session of 1962, June 18-August 11, 1962, \$2,089, supersedes previous Summer Session appointment (7-9-62).
- KENNEDY, THOMAS W., Research Assistant in Civil Engineering (S), nine months from September 16, 1962, \$6,300 (7-30-62).
- KEPPLER, NANCY O., Assistant in Home Economics (S), one year from September 1, 1962, \$5,400 (8-29-62).
- KERANEN, DOLORES, Assistant in English (Chicago Undergraduate Division), September 16, 1962-January 31, 1963, \$2,400 (7-2-62).
- KERR, WILLIAM D., Assistant Professor of Psychology and Head of Extension Counseling, Division of University Extension,  $\frac{3}{4}$  time, \$5,567, and Counselor in the Student Counseling Service,  $\frac{1}{3}$  time, \$2,783, one year from September 1, 1962, supersedes (8-9-62).
- KESLER, CLYDE E., Professor of Civil Engineering and of Theoretical and Applied Mechanics (C and S), indefinite tenure from September 1, 1962, to render service during each academic year, \$11,700 a year, supersedes (7-31-62).
- KILBRIDE, BERNARD J., Assistant Professor of Finance, academic year beginning September 1, 1962, \$8,000, supersedes (8-3-62).
- KILLIAN, FAULETTA L., Research Assistant in Chemistry, two months from July 1, 1962, \$900 (7-25-62).
- KIMBROUGH, JOE A., Assistant in English, nine months from September 16, 1962, \$4,200, supersedes (8-8-62).
- KINSEY, PHILIP A., Kettering Visiting Lecturer in Chemistry, nine months from September 16, 1962, \$8,500 (7-30-62).
- KIRSCH, JUDITH E., Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1962, \$4,200 (7-3-62).
- KISTNER, ARTHUR L., Assistant in English, nine months from September 16, 1962, \$4,400, supersedes (8-8-62).

- KITSON, JOHN W., Instructor in Advertising (College of Journalism and Communications),  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$2,500 (8-15-62).
- KLASSEN, FRANK H., Assistant Professor of Education, academic year beginning September 1, 1962, \$8,000 (8-21-62).
- KLEIN, MILES V., Assistant Professor of Physics (C), academic year beginning September 1, 1962, \$7,500 (7-30-62).
- KNIES, EARL A., Assistant in English, nine months from September 16, 1962, \$4,200 (8-8-62).
- KNIGHT, WANDA J., Instructor in Textiles and Clothing (Home Economics) (C), academic year beginning September 1, 1962, \$5,400 (8-6-62).
- KOBAN, CHARLES, Assistant in English, nine months from September 16, 1962, \$4,400, supersedes (8-8-62).
- KOCH, GERDA E., Instructor in Physical Education for Women, academic year beginning September 1, 1962, \$6,600 (7-11-62).
- KONITZKI, JOSEPH F., Assistant to the Director, with rank of Instructor, in the Student Rehabilitation Center (College of Physical Education), June 15-August 31, 1962, \$666.67 a month (7-9-62).
- KORZEN, WILLIAM, Apprentice Pharmacist in Hospital Pharmacy (Pharmacy),  $\frac{4}{5}$  time, September 24, 1962-May 31, 1963, \$275 a month (7-17-62).
- KOZIJ, VERA M., Research Assistant in Medicine (Medicine), one year from September 1, 1962, \$5,500 (7-30-62).
- KRUSE, ULRICH E., Associate Professor of Physics (C), two months from June 16, 1962, \$1,088.88 a month; this is in addition to his present appointment (7-16-62).
- KRUUS, JAAN, Research Associate in the Coordinated Science Laboratory (C),  $\frac{1}{2}$  time, one year from September 1, 1962, \$2,933, supersedes (8-8-62).
- KYSAR, JOHN E., Instructor in Hygiene and Psychiatrist in the Health Service (Chicago Undergraduate Division),  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$7,000, supersedes (8-8-62).
- LADD, JOHN A., Research Associate in Chemistry, September 16, 1962-August 31, 1963, \$5,850 a year (8-6-62).
- LAND, VERA F. C., Assistant in Foreign Languages (Chicago Undergraduate Division), September 16, 1962-January 31, 1963, \$2,300 (8-1-62).
- LANDIN, JOSEPH, Professor of Mathematics,  $\frac{3}{4}$  time, three months from June 16, 1962, \$2,778; this is in addition to his present appointment (7-9-62).
- LANGDALE-SMITH, RICHARD, Research Associate in Chemistry, one year from October 1, 1962, \$5,850 (7-30-62).
- LANOUX, SIGRED, Research Associate in Chemistry, one month from September 1, 1962, \$500 (8-6-62).
- LARSON, CARL S., Assistant in Mechanical Engineering (C), nine months from September 16, 1962, \$6,000 (8-21-62).
- LASCHNER, ROBERT R., Research Associate in Mechanical Engineering (C),  $\frac{3}{4}$  time, one year from September 1, 1962, \$6,450, supersedes (8-6-62).
- LATHROPE, DONALD E., Associate Professor in the Jane Addams Graduate School of Social Work,  $\frac{1}{2}$  time, two months from June 16, 1962, \$1,188; this is in addition to his present appointments (7-25-62).
- LAVATELLI, LEO S., Professor of Physics (C), one month from June 16, 1962, \$1,188.88 (7-9-62), and one month from July 16, 1962, \$1,188.88 (7-25-62), additional appointments; and for the academic year beginning September 1, 1962, \$13,500; and beginning September 1, 1963, on indefinite tenure, to render service during each academic year, \$11,200 a year (7-13-62).
- LAYTON, LESLIE L., Project Assistant in the State Natural History Survey, two months from July 1, 1962, \$4,400 a year, supersedes; and Project Assistant in Aquatic Biology, State Natural History Survey, one year from September 1, 1962, \$4,400, supersedes (8-14-62).
- LAZAR, RICHARD O., Instructor in Marketing (Chicago Undergraduate Division),  $\frac{3}{4}$  time, academic year beginning September 1, 1962, \$3,900 (8-14-62).
- LEAHEY, WILLIAM J., Instructor in Mathematics, academic year beginning September 1, 1962, \$7,500 (8-29-62).
- LEE, MERLIN R., Research Associate in the School of Life Sciences, Natural History Museum, one year from September 1, 1962, \$7,600 (7-30-62).
- LEGALL, MRS. HUGUETTE, Assistant in French, nine months from September 16, 1962, \$4,000 (7-30-62).

- LEGALL, JEAN, Research Associate in Chemistry, one year from September 1, 1962, \$6,000 (8-6-62).
- LEHMAN, FREDERIC K., Research Associate in Anthropology, two months from July 1, 1962, \$1,444.44 (7-27-62).
- LEHMANN, JOHN R., Instructor in Electrical Engineering (C),  $\frac{3}{4}$  time, academic year beginning September 1, 1962, \$4,800, supersedes (7-30-62).
- LEINING, JUDITH M., Research Assistant in Chemistry, one year from September 1, 1962, \$5,800 (7-3-62).
- LEONARD, IRVING, Instructor in Dentistry (Dentistry),  $\frac{3}{4}$  time, one year from September 1, 1962, \$4,350, supersedes (8-14-62).
- LESEMANN, RALPH F., Professor of Law, on indefinite tenure, and Special Counsel, on 45/100 time, six months from September 1, 1962, \$9,900 a year, supersedes (9-7-62).
- LEVY, LUCRETIA, Instructor in Mathematics, 42/100 time, academic year beginning September 1, 1962, \$2,925 (8-29-62).
- LEWIS, ERNEST, Instructor in Audiology (Otolaryngology) (Medicine), one year from September 1, 1962, \$7,000 (7-31-62).
- LEWIS, ROBERT W., JR., Assistant in English, nine months from September 16, 1962, \$4,400, supersedes (8-8-62).
- LI, TIEN EN, Research Associate in Agricultural Economics (S), July 1, 1962-August 31, 1963, \$5,850 a year (7-20-62).
- LIDDLE, LARRY B., Assistant in Biological Sciences (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,400 (8-14-62).
- LINDLEY, DAVID H., Research Associate in Physics (C), one year from September 1, 1962, \$7,500 (6-27-62).
- LISTER, JAMES L., Research Associate in Education, two months from June 16, 1962, \$1,200; this is in addition to his present appointment (7-9-62).
- LISTON, PHYLLIS, Assistant in English, nine months from September 16, 1962, \$4,000 (8-8-62).
- LITTERICK, MRS. ELIZABETH M., Resident Assistant, Pine Hall, ten months from September 1, 1962, \$1,600; for the convenience of the University she will receive an apartment and meals (8-21-62).
- LITTLEWOOD, JOHN M., Bibliographer in the Library, with rank of Instructor, one year from September 1, 1962, \$6,000 (6-27-62).
- LOFTISS, E. WALTER, Assistant in Speech and Theatre, nine months from September 16, 1962, \$4,000 (7-3-62).
- LOGAN, JOHN F., Instructor in Philosophy, academic year beginning September 1, 1962, \$6,500 (7-30-62).
- LOLANS, VALENTINA T., Research Assistant in Medicine (Medicine), one year from September 1, 1962, \$5,400 (6-18-62).
- LOPEZ-BELIO, MARIANO, Clinical Assistant Professor of Surgery (Medicine),  $\frac{1}{4}$  time, one year from July 1, 1962, \$2,160, supersedes (7-11-62).
- LU, CHIN-PI, Instructor in Mathematics, academic year beginning September 1, 1962, \$7,200 (8-16-62).
- LUKAS, RUTA O., Assistant in Foreign Languages (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,600 (8-1-62).
- LUSTIG, NOEL, Instructor in Psychiatry (Medicine), one year from July 1, 1962, without salary (7-31-62).
- LYMAN, MRS. ELIZABETH R., Research Assistant Professor in the Coordinated Science Laboratory (C),  $\frac{3}{4}$  time, one year from September 1, 1962, \$5,963, supersedes (8-29-62).
- MACNAMARA, PATRICIA E., Head Resident, Lincoln Avenue Residence (North), ten months from September 1, 1962, \$4,700; for the convenience of the University she will also receive an apartment and meals, valued at \$31 a month (7-2-62).
- MADENBERG, FRED, Assistant Professor of Hygiene and Medical Adviser for Men in the Health Service (Chicago Undergraduate Division),  $\frac{1}{4}$  time, one year from September 1, 1962, \$3,000, supersedes (8-8-62).
- MADSEN, ALBERT G., Research Associate in Marketing (Agricultural Economics) (S), one year from September 1, 1962, \$8,500 (8-14-62).
- MANSFIELD, PETER, Research Associate in Physics (C), eleven months from October 1, 1962, \$7,500 a year (8-21-62).
- MARTIN, ALAN D., Research Associate in Physics (C), one year from September 1, 1962, \$7,200 (7-30-62).

- MARTIN-TRIGONA, HELEN, Assistant in Speech and Theatre, nine months from September 16, 1962, \$4,000 (7-3-62).
- MATHIEU, JEAN M., Research Assistant in Entomology, two months from July 16, 1962, \$888.88 (8-21-62).
- MATLON, RONALD J., Instructor in Speech (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$5,200 (7-9-62).
- MATTESON, MAX R., Associate Professor of Zoology,  $\frac{1}{2}$  time, indefinite tenure, and Assistant Dean of the College of Liberal Arts and Sciences,  $\frac{1}{2}$  time, one year, to render service during each academic year from September 1, 1962, \$9,500 a year, supersedes (7-31-62).
- MATZ, DETLEF, Research Associate in Physics (C), one year from September 1, 1962, \$7,500 (7-2-62).
- MAURICE, CHARLES G., Professor of Applied Materia Medica and Therapeutics (Dentistry),  $\frac{7}{10}$  time, indefinite tenure from September 1, 1962, \$10,850 a year (7-9-62).
- MAYER, LEON A., Extension Specialist (Division of University Extension), one year from September 1, 1962, \$7,500 (7-31-62).
- MCCABE, NANCIE M., Research Assistant in Chemistry, one year from September 1, 1962, \$6,000 (8-8-62).
- MCCAIG, RONALD J., Assistant in English (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,800 (8-1-62).
- MCCOLLEY, ROBERT M., Instructor in the Peace Corps Training Office, August 16-31, 1962, \$361.11; this is in addition to his present appointment (8-8-62).
- MCCOY, M. ELEANOR, Research Assistant Professor of Education (University High School), academic year beginning September 1, 1962, \$10,500 (6-27-62).
- MCCRIMMON, JAMES M., Professor of Humanities and of Education (University High School), academic year beginning September 1, 1962, \$13,000; and Professor of Humanities and Head of the Division of General Studies, indefinite tenure from September 1, 1963, to render service during each academic year, \$13,000 a year, supersedes (8-6-62).
- MCDONALD, JAMES H., Associate Professor of Urology (Surgery) (Medicine),  $\frac{55}{100}$  time, indefinite tenure from September 1, 1962, \$8,660 a year (7-17-62).
- MCELROY, DONALD, Associate Professor of Patient Admissions (Dentistry),  $\frac{1}{2}$  time, indefinite tenure from September 1, 1962, \$5,300 a year (6-18-62).
- McFARLAND, NORMAN T., Assistant Professor of Art,  $\frac{4}{5}$  time, academic year from September 1, 1962, \$7,000 (7-24-62).
- McFATE, PATRICIA A., Instructor in English (Chicago Undergraduate Division), to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, \$2,600 (8-14-62).
- MCGUIRE, (MISS) DOUGLAS, Counselor in the Student Counseling Service,  $\frac{1}{2}$  time, June 18-August 11, 1962, \$446 (7-9-62).
- MCMULLEN, CARL W., Research Assistant in Biological Chemistry (Medicine), June 15-August 31, 1962, \$408.33 a month, supersedes (7-9-62).
- McNELLY, CAROLINE A., Research Associate in Botany, October 16, 1962-August 31, 1963, \$6,500 a year (7-31-62).
- MEARA, NAOMI M., Head Resident, Pennsylvania Avenue Residence Hall, ten months from September 1, 1962, \$4,600; for the convenience of the University she will be furnished room and board, valued at \$31 a month (5-31-62).
- MELVIN, JOHN W., Instructor in Theoretical and Applied Mechanics (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$2,850 (7-2-62).
- MERKELO, HENRY, Instructor in Electrical Engineering (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$2,400 (8-3-62).
- MESSMAN, HOWARD A., Mathematics Librarian in the Library, with rank of Instructor, one year from September 1, 1962, \$6,500 (6-22-62).
- MICHEL, PIERRE E. J., Visiting Lecturer in English, academic year beginning September 1, 1962, \$5,900 (7-9-62).
- MILLER, MARION A., Assistant in Education, Summer Session of 1962, July 16-August 11, 1962, \$545 (7-25-62).
- MILOSH, JOSEPH E., Assistant in English, nine months from September 16, 1962, \$4,400 (8-8-62).
- MIRON, MURRAY S., Research Assistant Professor in the Institute of Communications Research (College of Journalism and Communications), two months from June 16, 1962, \$1,666.66; this is in addition to his present appointment (7-17-62).

- MITCHELL, JUNE D., Assistant to the Dean of Women, one month from July 1, 1962, \$500 (6-11-62); and Head Resident, Lincoln Avenue Residence (South), ten months from September 1, 1962, \$4,800; for the convenience of the University she will also receive board and room, valued at \$31 a month (8-3-62).
- MIYASHIRO, JANE Y., Research Associate in Education (University High School),  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$3,000 (6-27-62).
- MIZUNO, HIROYUKI, Research Associate in Physics (C), one year from September 1, 1962, \$8,500 (6-27-62).
- MONTGOMERY, GERALD G., Research Associate in the State Natural History Survey, two months from July 1, 1962, \$520 a month, supersedes (7-9-62).
- MORCH, ERNST T., Clinical Professor of Anesthesiology (Surgery) (Medicine), indefinite tenure, from July 1, 1962, without salary (7-9-62).
- MORGAN, MARTHA A., Research Associate in Education, academic year beginning September 1, 1962, \$6,800 (7-30-62).
- MOSCATI, GIORGIO, Research Associate in Physics (C), eight months from January 1, 1963, \$7,200 a year (7-11-62).
- MOTO-OKA, TOHRU, Visiting Research Assistant Professor in the Digital Computer Laboratory, nine months from September 16, 1962, \$8,500 (7-9-62).
- MOWAT, BRUCE, Instructor in Operative Dentistry (Dentistry),  $\frac{3}{4}$  time, one year from September 1, 1962, \$4,500 (7-17-62).
- MOYER, FRED D., Instructor in Architecture, academic year beginning September 1, 1962, \$6,500, supersedes (8-18-62).
- MUNSON, KARL F., Instructor in Rural Extension Recreation (E),  $\frac{1}{2}$  time, July 1, 1962-August 31, 1963, \$3,900 a year (7-9-62).
- MURAYAMA, SATOSHI, Research Associate in Pharmacology (Medicine), one year from September 1, 1962, \$7,500, supersedes (7-30-62).
- MYRAN, CHARLES, Clinical Assistant Professor of Psychiatry (Medicine), July 1, 1962-August 31, 1963, without salary (7-27-62).
- NAGURSKI, IRENE, Instructor in Russian, academic year beginning September 1, 1962, \$6,600 (7-3-62).
- NAKAI, SHURYO, Research Associate in Food Technology (S), one year from September 1, 1962, \$5,850 (7-30-62).
- NAKAMURA, YASU HARU, Research Associate in Food Technology (S), one year from September 1, 1962, \$6,200 (7-30-62).
- NALBANDOV, MRS. OLGA G., Research Associate in Entomology,  $\frac{1}{2}$  time, five months from April 1, 1962, \$300 a month, supersedes (7-13-62).
- NANNELLI, PIERO, Research Associate in Chemistry, four months from September 1, 1962, \$512.50 a month, supersedes (8-4-62).
- NARASIMHAN, RANGASWAMY, Research Associate in the Digital Computer Laboratory, one month from August 16, 1962, \$722.22; this is in addition to his present appointment (8-29-62); and nine months from September 16, 1962, \$7,000 (7-13-62).
- NELSON, WILLARD O., Professor of Bacteriology (Dairy Science) (C and S), indefinite tenure from September 1, 1962, \$15,500 a year; and Senior Member in the Center for Zoonoses Research (College of Veterinary Medicine), indefinite tenure from September 1, 1962, supersedes (8-21-62).
- NEUFELDT, LEONARD N., Research Assistant in English, one month from July 1, 1962, \$445 (7-25-62).
- NEUMANN, LORENA, Instructor in Home Economics, and Assistant Editor, with rank of Instructor (C and E), two months from July 1, 1962, \$541.67 a month, supersedes (8-3-62); and Assistant Editor in Agricultural Administration, with rank of Instructor (S),  $\frac{1}{2}$  time, one year from September 1, 1962, \$3,400 (7-30-62).
- NEWELL, JOHN T., Assistant Director of the University Honors Programs (Chicago Undergraduate Division),  $\frac{1}{4}$  time, June 22-August 17, 1962, \$390; this is in addition to his Summer Session appointment (7-31-62).
- NICHOLSON, LEWIS E., Visiting Lecturer in English, academic year beginning September 1, 1962, \$8,500 (8-8-62).
- NIEVERGELT, JURG, Research Assistant in the Digital Computer Laboratory, two months from July 16, 1962, \$933.34 (7-9-62).
- NINOMIYA, TOSHIYUKI, Research Assistant Professor of Physical Metallurgy (C), one year from September 1, 1962, \$8,000, supersedes (8-21-62).
- NISHIDA, TOSHIRO, Associate Professor of Food Technology (S), one year from September 1, 1962, \$10,000 (7-26-62).

- NISONOFF, ALFRED, Professor of Microbiology, indefinite tenure from July 1, 1962, \$16,590 a year, supersedes (8-24-62).
- NTALIANAS, H. A., Research Associate in Food Technology (S), one year from September 1, 1962, \$7,500 (8-3-62).
- OFFER, DWIGHT F., Assistant in the Institute of Aviation, nine months from September 16, 1962, \$450 a month (8-8-62).
- OLSON, LAWRENCE W., Assistant Professor of Speech and Theatre, Summer Session of 1962, June 18-August 11, 1962, \$1,689, supersedes previous Summer Session appointment (7-13-62).
- ONANIAN, EDWARD D., Research Associate in the Bureau of Economic and Business Research,  $\frac{1}{2}$  time, five months from September 1, 1962, \$1,330 (7-17-62).
- ORLAND, GEORGE H., Research Associate in Mathematics, August 16-31, 1962, \$416.66; and Instructor in Mathematics, academic year beginning September 1, 1962, \$7,500 (8-21-62).
- OTSUKI, SABURO, Research Associate in Psychiatry (Medicine), two months from September 1, 1962, \$583.33 a month (7-9-62).
- PAGE, THOMAS, Associate Professor in the Department of Political Science and in Institute of Government and Public Affairs,  $\frac{2}{3}$  time, \$2,204; and Project Director of Peace Corps Training Office,  $\frac{1}{3}$  time, \$1,102, February 1-May 15, 1962; and Project Director of Peace Corps Training Office, full time, May 16-June 15, 1962, \$944, and full time, June 16-August 31, 1962, \$2,361 (addition to present appointment) (7-17-62); and Consultant for Evaluation in Peace Corps, September 1-December 15, 1962, \$3,540; and Associate Professor in the Institute of Government and Public Affairs,  $\frac{2}{3}$  time, \$3,370, and of Political Science,  $\frac{1}{3}$  time, \$1,685, from January 16-June 15, 1963; on leave of absence, without salary, December 16, 1962-January 15, 1963 (8-21-62).
- PAHEL, KENNETH, Research Assistant in Psychology, June 11-July 15, 1962, \$511.34 (7-17-62); and in the Bureau of Educational Research, July 16-August 31, 1962, \$444.44 a month (7-27-62).
- PAL, DILIP K., Research Assistant in the Bureau of Community Planning, two months from June 16, 1962, \$444.44 a month (6-18-62).
- PALMER, JOHN D., Assistant Professor of Biological Sciences (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$6,500 (7-9-62).
- PALMER, REX A., Research Associate in Chemistry, eleven months from October 1, 1962, \$6,700 a year (8-27-62).
- PAPPADEMOS, JOHN N., Assistant Professor of Physics (Chicago Undergraduate Division),  $\frac{2}{3}$  time, academic year beginning September 1, 1962, \$5,200, supersedes (7-30-62).
- PARZEN, ZANE D., Clinical Instructor in Psychiatry (Medicine), July 1, 1962-August 31, 1963, without salary (7-25-62).
- PATLOGAN, SYLVIA, Instructor in Foreign Languages (Chicago Undergraduate Division),  $\frac{3}{4}$  time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, \$2,475 (7-9-62).
- PATTERSON, HARLAN R., Instructor in Finance, academic year beginning September 1, 1962, \$7,500 (7-31-62).
- PATTISON, JEFFREY, Research Associate in Chemistry, one year from November 1, 1962, \$5,850 (6-11-62).
- PAWLIK, KURT, Research Associate in Psychology,  $\frac{1}{2}$  time, one month from September 1, 1962, \$350 (7-2-62).
- PENHOLLOW, JOHN O., Research Associate in the Digital Computer Laboratory, academic year beginning September 1, 1962, \$7,500 (7-3-62).
- PENNIMAN, MARIAN V., Research Associate in the Institute for Research on Exceptional Children, July 1, 1962-August 31, 1963, \$7,000 a year (7-16-62).
- PERKINS, EDWARD G., Assistant Professor of Food Technology (S), two months from July 1, 1962, \$833.33 a month, supersedes (8-1-62).
- PERLMUTTER, DANIEL D., Assistant Professor of Chemistry and Chemical Engineering, Summer Session of 1962,  $\frac{1}{2}$  time, June 18-August 11, 1962, \$912, supersedes previous Summer Session appointment; and Assistant Professor of Chemical Engineering (S),  $\frac{1}{2}$  time, two months from June 16, 1962, \$911 (7-9-62).
- PERRY, HAROLD J., Visiting Lecturer in English, academic year beginning September 1, 1962, \$10,700 (8-8-62).

- PFLEDERER, MARILYN R., Instructor in Music, 83/100 time, and Counselor on the University Council on Teacher Education, 17/100 time, academic year beginning September 1, 1962, \$7,400 (7-2-62).
- PHILLIPPE, MRS. IRENE L., Serials Reviser in the Library, with rank of Instructor, one year from September 1, 1962, \$6,800 (6-27-62).
- PHILLIPS, THOMAS N., Assistant Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), one year from September 1, 1962, \$10,000, supersedes (8-15-62).
- PHIPPS, MRS. DOROTHY B., Assistant in Physical Education for Women, nine months from September 16, 1962, \$5,400 (7-30-62).
- PIETRAS, RAYMOND J., Clinical Instructor in Medicine (Medicine), July 1, 1962-August 31, 1963, without salary (7-9-62).
- POGUE, DORIS J., Assistant in English, nine months from September 16, 1962, \$4,000 (6-18-62).
- PORTER, JAMES A., JR., Instructor in Veterinary Extension (Veterinary Pathology and Hygiene) (College of Veterinary Medicine and Cooperative Extension Service in Agriculture and Home Economics), August 1, 1962-August 31, 1963, \$9,000 a year (8-3-62).
- PORTER, LAURELLEN, Head Resident, Taft House, ten months from September 1, 1962, \$4,600; for the convenience of the University, she will also receive a single room and meals (7-30-62).
- PRANGER, ROBERT J., Assistant Professor in the Peace Corps Training Office, August 16-31, 1962, \$388.89; this is in addition to his present appointment (8-8-62).
- PUGSLEY, JAMES H., Instructor in Electrical Engineering (C),  $\frac{3}{4}$  time, academic year beginning September 1, 1962, \$4,200, supersedes (7-30-62).
- PUNDT, HERMAN G., Instructor in Architecture, September 1, 1962-February 28, 1963, to render service during first semester of the academic year, \$541.66 a month (8-3-62).
- PYTEL, RONALD J., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), one year from September 1, 1962, \$6,500 (7-3-62).
- RABB, MAURICE, Instructor in Ophthalmology (Medicine),  $\frac{4}{5}$  time, one year from September 1, 1962, \$5,760 (8-8-62).
- RAETZMAN, BARBARA L., Assistant in Occupational Therapy (Medicine), July 2, 1962-August 31, 1963, \$6,300 a year, supersedes (7-30-62).
- RAILSBACK, ORA L., Assistant to the Vice-President of the Chicago Undergraduate Division, two months from July 1, 1962, \$2,889; this is in addition to his present appointment (7-31-62).
- RAMSEYER, LINDA M., Research Assistant in Zoology, June 16-August 31, 1962, \$1,111 (7-9-62).
- RANGA RAO, R., Instructor in Mathematics, academic year beginning September 1, 1962, \$7,000 (8-21-62).
- RAO, PILLARISETTY J., Research Associate in the State Natural History Survey,  $\frac{3}{4}$  time, two months from July 1, 1962, \$404.12 a month, supersedes (7-9-62).
- RAY, ROBERT K., Instructor in Art, academic year beginning September 1, 1962, \$6,000 (8-1-62).
- RAYSON, GLENDON E., Assistant Professor of Hygiene and Medical Adviser for Men Health Service (Chicago Undergraduate Division),  $\frac{2}{3}$  time, one year from September 1, 1962, \$7,800, supersedes (8-4-62).
- REED, MARY V., Assistant in English (Chicago Undergraduate Division), September 16, 1962-January 31, 1963, \$2,400 (6-11-62).
- REESE, WILLIAM, Research Associate in Physics (C), one year from September 1, 1962, \$7,500 (7-17-62).
- REVZEN, MICHAEL, Research Associate in Physics (C), August 16-31, 1962, \$625 a month; and one year from September 1, 1962, \$7,500 (7-11-62).
- RHEUMER, GEORGE A., Assistant Professor of Geography (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$8,750, supersedes (8-14-62).
- RIBEIRO, SERGIO T., Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1962, \$4,200 (7-3-62).
- RICE, SHEILA D., Instructor in Physical Education for Women, academic year beginning September 1, 1962, \$6,500 (7-11-62).

- RICHARDS, JOHN R., Research Associate in Chemistry, one year from September 1, 1962, \$7,800 (7-9-62).
- RIMAWI, WALID H., Assistant Professor of Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$8,000 (9-4-62).
- RITCHIE, MRS. FLORENCE, Head Resident, Van Doren House, ten months from September 1, 1962, \$4,800; for the convenience of the University she will also receive room and meals (8-3-62).
- RITTER, DIANE S., Assistant in Occupational Therapy (Medicine), one year from September 1, 1962, \$6,000, supersedes (8-29-62).
- ROBB, SEWARD E., Research Assistant Professor of Management, two months from June 16, 1962, \$1,667 (7-9-62).
- ROBERG, NORMAN B., Professor of Medicine (Medicine), indefinite tenure from September 1, 1962, \$20,125 a year (7-30-62).
- ROBERTS, ELMER, Professor, Agricultural Administration (S), 36/100 time, seven months from February 1, 1962, \$375 a month (7-9-62).
- ROBINSON, DEREK W., Research Associate in Physics (C), one year from September 1, 1962, \$7,500 (7-30-62).
- ROEDER, ROBERT C., Instructor in Astronomy, academic year beginning September 1, 1962, \$6,000 (8-8-62).
- ROGERS, PHILIP E., Assistant in English, nine months from September 16, 1962, \$4,000 (6-18-62).
- ROGGE, WILLIAM M., Research Associate in Education (University High School), June 5-30, 1962, \$800 a month, supersedes (7-17-62); and one year from July 1, 1962, \$9,600 (8-14-62).
- ROSE, CRONWELL A., Research Assistant in Preventive Medicine (Medicine), May 28, 1962-August 31, 1963, \$5,800 a year (7-17-62).
- ROSENFELD, SIDNEY, Instructor in German, academic year beginning September 1, 1962, \$5,800 (8-21-62).
- ROSENKRANZ, WILBUR, Circulation Assistant in the Library,  $\frac{1}{2}$  time, one year from September 1, 1962, \$2,500 (7-30-62).
- ROSS, ALBION H., Visiting Lecturer in Journalism (College of Journalism and Communications),  $\frac{1}{3}$  time, academic year beginning September 1, 1962, \$3,025 (7-9-62).
- ROUFFA, ALBERT S., Research Professor of Biological Sciences (Chicago Undergraduate Division),  $\frac{1}{2}$  time, June 22-August 17, 1962, \$1,245; this is in addition to his present appointment (7-16-62).
- ROY, PRABIR, Instructor in Mathematics,  $\frac{1}{2}$  time, and in the Graduate College,  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$7,200 (8-24-62).
- RUPPEL, ROBERT W., Instructor in Music, academic year beginning September 1, 1962, \$7,000 (7-3-62).
- RUTLEDGE, ALBERT J., Instructor in City Planning and Landscape Architecture, academic year beginning September 1, 1962, \$6,500 (7-30-62).
- RUTTER, WILLIAM J., Research Associate Professor of Chemistry, two months from July 1, 1962, \$2,445; this is in addition to his present appointment (8-27-62).
- SACKS, LAWRENCE J., Research Assistant in Chemistry, July 1-August 15, 1962, \$667.50 (8-3-62).
- SAGI, MRS. ANA M. M., Assistant in French, nine months from September 16, 1962, \$4,000 (7-30-62).
- SAIN, MICHAEL K., Instructor in Electrical Engineering (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$2,500; this is in addition to his appointment as Paul V. Galvin Teaching Fellow in Electrical Engineering (8-28-62).
- SANWAL, JAGDISH C., Instructor in Mathematics, academic year beginning September 1, 1962, \$7,600 (8-29-62).
- SARLAS, SOPHIE H., Instructor in Art, academic year beginning September 1, 1962, \$5,500 (8-14-62).
- SASAGO, KENJI, Research Associate in Food Technology (S), one year from September 1, 1962, \$5,850 (7-30-62).
- SASSOON, MABEL I., Instructor in Medical Social Work (Medicine), July 2, 1962-August 31, 1963, \$6,000 a year (7-9-62).
- SATO, TADASHI, Research Associate in Chemistry, one year from September 1, 1962, \$6,100 (7-30-62).



- SATO, TAKEO, Research Associate in Chemistry, three months from September 1, 1962, \$500 a month (5-31-62).
- SAVAGE, JEROME A., Instructor in Art, academic year beginning September 1, 1962, \$5,700 (7-30-62).
- SCHeyer, FREDERICK D., Assistant in the Institute of Aviation, nine months from September 16, 1962, \$465 a month (8-8-62).
- SCHNEIDER, JOHN M., Instructor in Electrical Engineering (S), one year from September 1, 1962, \$6,000, supersedes (8-14-62).
- SCHNOBRICH, WILLIAM C., Assistant Professor of Civil Engineering (C and S), academic year beginning September 1, 1962, \$8,100, supersedes (8-21-62).
- SCHULTZ, JOHN E., Research Assistant in Chemistry, two months from June 16, 1962, \$890, supersedes (7-9-62).
- SCHWALBE, PAULINE S., Assistant Professor of German, Summer Session of 1962,  $\frac{1}{2}$  time, June 18-August 11, 1962, \$778 (7-9-62).
- SCOGGINS, JAMES L., Assistant in English, nine months from September 16, 1962, \$4,400, supersedes (8-8-62).
- SEALY, ARTHUR P. E., Research Associate in Psychology,  $\frac{3}{4}$  time, one year from September 1, 1962, \$5,500 (8-8-62).
- SEITZ, FREDERICK, Professor of Physics and Head of the Department (C), two months from July 1, 1962, \$5,158; this is in addition to his present appointment (7-31-62).
- SEN, ARUN KUMAR, Assistant Professor of Anesthesiology (Surgery) (Medicine), 9/10 time, two months from July 1, 1962, \$755 a month, supersedes; and 9/10 time, one year from September 1, 1962, \$11,250 (7-20-62).
- SEUBERT, BURKHARD, Assistant Professor of German, Summer Session of 1962, June 18-August 11, 1962, \$1,378 (7-16-62).
- SHACKELFORD, ROBERT C., Instructor in Economics, academic year beginning September 1, 1962, \$7,500 (7-11-62).
- SHEKELLE, RICHARD B., Research Associate in Psychiatry (Medicine), one year from September 1, 1962, \$9,000 (7-30-62).
- SHERMAN, MICHAEL A., Assistant in Physical Education for Men, nine months from September 16, 1962, \$5,000 (8-14-62).
- SHOULDERS, BETTY K., Assistant Head Resident, Lincoln Avenue Residence, ten months from September 1, 1962, \$4,800; for the convenience of the University she will also receive meals while on duty, valued at \$21 a month (8-3-62).
- SHUMAN, FRANK H., Peace Corps Training Consultant,  $\frac{1}{4}$  time, two months from July 1, 1962, \$210 a month, supersedes (7-17-62).
- SIDNEY, MARY C., Instructor in English (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$5,600 (7-17-62).
- SIMMONS, J. L., Instructor in Sociology, academic year beginning September 1, 1962, \$6,500 (7-9-62).
- SINE, ROBERT C., Assistant in Mathematics, two months from June 16, 1962, \$889 (7-11-62).
- SINOHARA, HYUGO, Research Associate in Biological Chemistry (Medicine), one year from September 1, 1962, without salary (7-3-62).
- SISKIND, MRS. CAROLINE C., Instructor in English (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, \$1,250 (7-30-62).
- SKORNIJA, LORENE M., Assistant to the Dean of Women,  $\frac{3}{5}$  time, nine months from September 16, 1962, \$2,650 (8-29-62).
- SKRUPSKELIS, VIKTORIA, Instructor in French, academic year beginning September 1, 1962, \$5,400 (7-31-62).
- SLAMA, LUCIEN P., Visiting Research Associate in Electrical Engineering (S), one year from September 1, 1962, \$7,200 (8-21-62).
- SLANKER, MRS. BARBARA O., Assistant Undergraduate Librarian, with rank of Instructor, one year from September 1, 1962, \$6,300 (6-27-62).
- SMITH, CAROL L., Assistant to the Dean of Women (Chicago Undergraduate Division),  $\frac{1}{2}$  time, one year from September 1, 1962, \$3,000 (7-31-62).
- SMITH, GEORGE H., JR., Instructor in Sociology (Social Sciences) (Chicago Undergraduate Division),  $\frac{3}{5}$  time, academic year beginning September 1, 1962, \$3,600 (7-31-62).
- SMITH, MRS. HARRIET W., Geology Librarian, with rank of Instructor, one year from September 1, 1962, \$6,500 (6-27-62).

- SMITH, JACK L., Research Associate in Animal Science (S), 3/10 time, five months from February 1, 1962, \$142.50 a month; this is in addition to his appointment as Postdoctoral Fellow (Trainee) in Animal Science (8-29-62).
- SMITH, JAMES H., Professor of Physics (C), July 16-31, 1962, and September 1-15, 1962, \$1,133.33; this is in addition to his present appointment (8-14-62).
- SMITH, MRS. LUCILLE M., Instructor in Speech and Theatre, for the first semester of the academic year, September 1, 1962-February 28, 1963, \$500 a month (7-30-62).
- SMITH, RICHARD G., Assistant Reference Librarian, with rank of Instructor, one year from September 1, 1962, \$7,150, supersedes (6-27-62).
- SOLBERG, WINTON U., Associate Professor of History, indefinite tenure beginning September 1, 1962, to render service during each academic year, \$12,000 a year (7-30-62).
- SOZEN, METE A., Associate Professor of Civil Engineering (S), two months from June 16, 1962, \$2,111.12 (additional and superseding) (7-16-62).
- SPEAR, NORMAN E., Visiting Lecturer in Psychology (Chicago Undergraduate Division), Summer Session of 1962,  $\frac{3}{4}$  time, June 22-August 18, 1962, \$950 (7-9-62).
- SPENCER, PATRICIA D., Research Assistant in Chemistry, September 16, 1962-August 31, 1963, \$4,900 a year (7-30-62).
- SPINOLO, GIORGIO, Research Associate in Physics (C), one year from September 1, 1962, \$7,500 (6-27-62).
- SPIRAKIS, CHARLES N., Assistant Professor of Biological Sciences (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$7,500 (7-9-62).
- STAPLES, CODY E., Research Associate in Chemistry, one year from October 1, 1962, \$5,850 (8-6-62).
- STARNES, THOMAS C., JR., Instructor in German, academic year beginning September 1, 1962, \$5,800 (8-21-62).
- STECKLINE, DOROTHY M., Resident Assistant, Walnut Hall, ten months from September 1, 1962, \$1,600; for the convenience of the University she will also receive apartment and meals (8-21-62).
- STEIN, JAMES H., JR., Research Assistant in the Digital Computer Laboratory, June 16-August 31, 1962, \$1,111.10 (7-3-62).
- STEIN, NELSON, Research Associate in Physics (C), one year from September 1, 1962, \$7,500 (8-21-62).
- STENSTROM, RALPH H., Education, Philosophy, and Psychology Librarian, with rank of Instructor, one year from September 1, 1962, \$7,500 (6-27-62).
- STEPHENS, NEWMAN L., Research Assistant in Pediatrics (Medicine), one year from July 1, 1962, \$5,000 (7-25-62).
- STERN, HERBERT, Professor of Botany, two months from June 16, 1962, \$2,577.78 (7-31-62).
- STEWART, MRS. BEVERLY J., Undergraduate Library Assistant, one year from September 1, 1962, \$5,400 (7-30-62).
- STOLUROW, LAWRENCE M., Professor of Psychology, and of Education, in the Bureau of Educational Research, one month from July 16, 1962, \$1,177.78 (7-27-62).
- STOUT, GLENN E., Research Associate in General Engineering (C), academic year beginning September 1, 1962, without salary (8-15-62).
- STRAIN, ROBERT J., Research Assistant in Electrical Engineering (S), one year from September 1, 1962, \$5,900 (8-14-62).
- STROBACH, DONALD R., Research Associate in Chemistry, one year from September 1, 1962, \$6,000 (8-6-62).
- STUEBNER, ELAINE A., Clinical Assistant Professor of Surgery (Medicine), without salary, and Assistant Professor of Oral and Maxillofacial Surgery (Dentistry), \$5,700,  $\frac{1}{2}$  time, one year from September 1, 1962, supersedes (8-29-62).
- SUI, DAVID KWANG-SUN, Research Assistant in Psychology, in the Bureau of Educational Research, July 16-August 31, 1962, \$444.44 a month (7-27-62).
- SVOB, MICHAEL J., Assistant in English, nine months from September 16, 1962, \$4,000 (8-8-62).
- SWAIN, MERLE D., Assistant in the Institute of Aviation, nine months from September 16, 1962, \$450 a month (8-21-62).

- SWENSON, GEORGE, Professor of Electrical Engineering (C), and of Astronomy, two months from June 16, 1962, \$1,444.44 a month (additional and superseding) (7-25-62).
- SYSE, SANFORD D., Instructor in Speech and Theatre, academic year beginning September 1, 1962, \$5,800 (8-21-62).
- TAGGER, ETTY S., Research Assistant in Orthodontics (Dentistry), one year from September 1, 1962, \$5,000 (7-31-62).
- TASSO, PRIMO, Instructor in Medical Social Work (Medical Center), June 7-August 31, 1962, \$5,850 a year, and one year from September 1, 1962, \$6,150 (7-9-62).
- TELLING, MRS. FERN H., Head Resident, Cedar Hall, and Coordinator of Arbor Suites, ten months from September 1, 1962, \$4,550; for the convenience of the University she will also receive board and room, valued at \$31 a month (8-8-62).
- TEMPEST, DAVID W., Research Associate in Chemistry, one year from September 1, 1962, \$5,850 (8-4-62).
- THOMPSON, MARSHALL R., Research Assistant in Civil Engineering (C and S), nine months from September 16, 1962, \$6,300 (7-30-62).
- THOROGOOD, ELIZABETH, Research Associate in the School of Life Sciences,  $\frac{3}{4}$  time, March 19-June 23, 1962, \$625 a month (7-27-62).
- TICHENOR, DUANE, Instructor in Industrial Education,  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$3,000 (8-21-62).
- TINKHAM, ROBERT A., Associate Professor of Industrial Education, July 15-August 11, 1962, \$923; this is in addition to his present appointment (7-27-62).
- TOLEDO, FERDINAND, Research Associate in Electrical Engineering (S), one year from September 1, 1962, \$6,000 (8-21-62).
- TOMASSON, RICHARD F., Assistant Professor of Sociology, two months from June 16, 1962, \$1,600; this is in addition to his present appointment (7-9-62).
- TOROK, NICHOLAS, Assistant Professor of Otolaryngology,  $\frac{3}{4}$  time, three months from June 1, 1962, \$700 a month, supersedes (7-11-62); and Associate Professor of Otolaryngology (Medicine),  $\frac{3}{4}$  time, one year from September 1, 1962, \$8,400 (8-1-62).
- TRENSKY, PAUL I., Instructor in Russian, academic year beginning September 1, 1962, \$6,500 (7-30-62).
- TRIPLET, MARY M., Assistant in English, nine months from September 16, 1962, \$4,200 (8-8-62).
- TROTT, B. DALE, Research Associate in Metallurgical Engineering (C),  $\frac{1}{2}$  time, five months from September 1, 1962, \$300 a month (8-1-62).
- TSUDA, MASUMI, Visiting Research Assistant in the Institute of Labor and Industrial Relations, July 30, 1962-June 30, 1963, \$4,900 a year, supersedes (8-8-62).
- VANDI, ANTONIO F., Research Associate in Chemistry, three months from September 1, 1962, \$565 a month (8-6-62).
- VAN HORN, CHARLES, Research Associate in Education (University High School), July 1, 1962-August 31, 1963, \$10,000 a year (8-14-62).
- VAN PELT, LYLE E., Assistant in English, nine months from September 16, 1962, \$4,400, supersedes (8-8-62).
- VASIL, INDRA K., Research Associate in Botany, one year from August 1, 1962, \$5,850 (7-27-62).
- VERDEYEN, JOSEPH T., Assistant Professor of Electrical Engineering (C), one year from September 1, 1962, \$10,000 (6-29-62).
- VERTS, BOBBIE J., Research Associate in the State Natural History Survey, two months from July 1, 1962, \$570 a month, supersedes (7-9-62); and  $\frac{3}{5}$  time, one year from September 1, 1962, \$4,104, supersedes (7-30-62).
- VISWANATHAN, LAKSHMIKANTHRAO, Research Associate in Chemistry, one year from June 1, 1962, \$5,850 (7-9-62).
- VLES, EVERT J., Research Assistant in Chemistry, June 16, 1962-January 31, 1963, \$450 a month (8-8-62).
- VOGEL, WOLFGANG H., Research Associate in Pharmacology (Medicine), one year from August 1, 1962, \$7,200 (7-25-62).
- VON HENTIG, ROLAND T., Assistant in Biological Sciences (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,200 (8-21-62).
- VORBECK, JOSEPH F., Instructor in the Institute of Aviation, one year from September 1, 1962, \$7,500 (8-6-62).

- VORMELKER, ROSE L., Associate Professor of Library Science, academic year beginning September 1, 1962, \$10,000 (7-31-62).
- WACHSMAN, JOSEPH T., Assistant Professor of Microbiology, one year from September 1, 1962, \$10,380, supersedes (8-30-62).
- WAINWRIGHT, WILLIAM J., Instructor in Philosophy, academic year beginning September 1, 1962, \$6,500 (7-30-62).
- WALDEN, JAMES D., Instructor in Education, academic year beginning September 1, 1962, \$6,200 (8-21-62).
- WALKER, RICHARD D., Research Associate in the Illinois State Library Research Center, Graduate School of Library Science, July 1, 1962-August 31, 1963, \$8,800 a year (7-9-62).
- WALLACE, CHRISTOPHER S., Research Associate in the Digital Computer Laboratory, two months from September 1, 1962, \$733.33 a month (6-5-62).
- WALLACE, RUTH S., Visiting Lecturer in Psychology (Chicago Undergraduate Division), Summer Session of 1962, June 22-August 18, 1962, \$1,200 (7-17-62).
- WALRAVEN, H. DALE, Assistant to the Associate Dean of Engineering (Chicago Undergraduate Division), June 22-August 17, 1962, \$2,222 (7-17-62).
- WANG, SHAO-FU, Research Associate in Physics (C), seven months from July 1, 1962, \$625 a month (7-25-62).
- WANKA, FRIEDRICH, Research Associate in Botany, one year from July 1, 1962, \$5,850 (7-27-62).
- WARNOCK, JOHN E., Research Associate in the State Natural History Survey, two months from July 1, 1962, \$530 a month, supersedes (7-9-62).
- WATANABE, SHOSUKE, Research Associate in Psychiatry (Medicine), one year from September 1, 1962, \$6,500 (7-30-62).
- WATSON, FRANCIS R., Research Assistant Professor of Sociology, and in the Office of Instructional Television, and Associate Staff in the Center for Zoonoses Research (College of Veterinary Medicine), one year from September 1, 1962, \$10,400, supersedes (7-27-62).
- WATERS, ROBERT D., Education, Philosophy, and Psychology Library Assistant, one year from September 1, 1962, \$6,000 (6-27-62).
- WEAVER, LELLAND A., Instructor in Electrical Engineering (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$2,500; this is in addition to his Collins Radio Company Teaching Fellow in Electrical Engineering (8-3-62).
- WEBB, RICHARD S., JR., Instructor in Surgery (Medicine),  $\frac{9}{10}$  time, one year from September 1, 1962, \$7,650 (7-17-62).
- WEBER, EVELYN J., Research Associate in Chemistry, one year from September 1, 1962, \$6,600 (7-17-62).
- WELLS, MRS. CATHERINE N., Head Resident, Busey Hall, ten months from September 1, 1962, \$4,700; for the convenience of the University she will also receive board and room valued at \$31 a month (8-3-62).
- WENNINGER, MRS. NANCY R., Chemistry Library Assistant in the Library, one year from September 1, 1962, \$5,600 (7-27-62).
- WESTERLUND, MRS. PAULA S., Assistant in Physical Education for Women, nine months from September 16, 1962, \$5,600 (7-30-62).
- WESTMAN, LARS F., Research Associate in Chemistry, July 16-31, 1962, \$250 (7-27-62).
- WESTMEYER, PAUL, Assistant Professor of Education, academic year beginning September 1, 1962, \$8,850, supersedes (8-21-62).
- WHITMAN, JOHN M., Clinical Instructor in Psychiatry (Medicine),  $\frac{3}{10}$  time, July 1, 1962-August 31, 1963, \$3,000 a year (7-9-62).
- WILFONG, ANNE E., Assistant in English, nine months from September 16, 1962, \$4,200 (8-8-62).
- WILLARD, ROBERT E., Research Assistant in the Digital Computer Laboratory, one month from August 16, 1962, \$466.67 (7-25-62).
- WILS, FREDERICUS C. M., Research Associate in the Institute of Labor and Industrial Relations,  $\frac{1}{2}$  time, nine months from September 16, 1962, \$2,400 (7-17-62).
- WILSON, MRS. EULINE D., Assistant in English,  $\frac{1}{2}$  time, \$2,000, and in Mining, Metallurgy, and Petroleum Engineering (C),  $\frac{1}{2}$  time, \$2,200, nine months from September 16, 1962 (7-13-62).
- WOERNER, JACK L., Assistant in Agricultural Engineering (C and S), one year from September 1, 1962, \$5,000 (8-21-62).

- WOLFE, MARTIN S., Research Associate in Education (University High School), academic year beginning September 1, 1962, \$6,400 (6-27-62).
- WOLFE, MRS. SHARON, Research Assistant in the Institute of Communications Research (College of Journalism and Communications), two months from June 1, 1962, \$444.44 a month (7-9-62).
- WOODS, GEORGE T., Associate Professor of Veterinary Microbiology and Public Health, (Veterinary Pathology and Hygiene) (College of Veterinary Medicine) and of Veterinary Research (Agricultural Experiment Station), indefinite tenure from September 1, 1962, \$13,200 a year, supersedes (7-31-62).
- WOODWARD, RALPH, Instructor in Music,  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$3,550 (7-9-62).
- WOOLLEY, DALE E., Assistant in Speech and Theatre, nine months from September 16, 1962, \$4,000 (8-1-62).
- WRIGHT, CHARLES A., Assistant in Foreign Languages (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,800 (7-2-62).
- YAPP, WILLIAM W., Professor of Dairy Science (C and S),  $\frac{1}{2}$  time, five months from September 1, 1962, \$388 a month (8-3-62).
- YOUNG, LORNA B., Research Assistant in Chemistry, one year from September 1, 1962, \$5,200 (8-8-62).
- YOUNG, PAUL T., Professor of Psychology,  $\frac{1}{2}$  time, one year from September 1, 1962, \$6,360 (8-8-62).
- ZARING, WILSON M., Assistant Professor of Mathematics, three months from June 16, 1962, \$3,000; this is in addition to his present appointment (7-9-62).
- ZEHE, DONALD F., Assistant in Foreign Languages (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,800, supersedes (7-2-62).
- ZEIDEL, ALEXANDER, Assistant in Psychiatry (Medicine), one year from July 1, 1962, without salary (7-11-62).
- ZIMMERMAN, MARIE, Assistant-Counseling, in the Student Counseling Service, one year from September 1, 1962, \$6,200 (8-21-62).
- ZINKY, FRANKLIN A., Assistant in the Institute of Aviation, nine months from September 16, 1962, \$465 a month (8-8-62).
- ZWOYER, RUSSELL E., Assistant in Education (University High School), nine months from September 16, 1962, \$7,200 (7-2-62).

#### GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in the parenthesis.)

- AMARAL, EDUARDO, Tuberculosis Institute Research Fellow in Medicine, one year from July 1, 1962, \$5,000 (7-5-62).
- APPELBAUM, BRADLEY E., United States Public Health Service Fellow (Trainee) in the Center for Handicapped Children, one year from July 1, 1962, \$6,000 (7-20-62).
- BERG, CHARLES R., United States Public Health Service Fellow (Trainee) in Dentistry, one year from September 1, 1962, \$7,000 (7-19-62).
- BERMAN, MORLEY, United States Public Health Service Fellow (Trainee) in Psychiatry (Medical Center), three months from June 16, 1962, \$200 per month (7-5-62).
- BISWAS, CHITRA SEN, United States Public Health Service Fellow (Trainee) in Animal Science, one year from September 1, 1962, \$2,500 (7-20-62).
- BOLTON, RUSSELL L., National Lead Company Fellow in Ceramic Engineering, nine months from September 16, 1962, \$1,800 (5-24-62).
- BOTTORFF, RALPH S., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,170, supersedes (6-29-62).
- BRAMS, EMANUEL O., United States Public Health Service Fellow (Trainee) in Medicine, one year from July 1, 1962, \$5,500 (7-16-62).
- CHRISTENSEN, JAMES, JR., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, \$450 (6-27-62).
- CLEARY, THERESA A., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$2,000, supersedes (6-26-62).
- CONRAD, H. EDWARD, Postdoctoral Fellow (Trainee) in Chemistry, two months from June 16, 1962, \$1,667; this is in addition to his appointment as Assistant Professor of Chemistry (7-25-62).

- DAVIS, GEORGE C., JR., Lilly Endowment Fellow in History, one year from September 1, 1962, \$2,500, supersedes (7-5-62).
- DAVIS, ROBERT D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,170, supersedes (6-29-62).
- DELLENBACK, BARBARA, United States Public Health Service Fellow (Trainee) in Psychiatry (Medical Center), three months from June 16, 1962, \$200 per month (7-5-62).
- DESA, RICHARD J., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1962, \$489 (6-25-62).
- ELLIOTT, ROBERT E., Lilly Endowment Postdoctoral Fellow in Psychology, nine months from September 16, 1962, \$5,000 (8-9-62).
- FEHRENBACHER, J. B., Fellow in Agronomy, seven months from October 1, 1962, \$3,200 (6-26-62).
- GARCIA-MOLINER, CARMEN, Postdoctoral Fellow (Trainee) in Microbiology, one year from September 1, 1962, \$4,920 (7-3-62).
- GEISON, RONALD L., United States Public Health Service Fellow (Trainee) in Animal Science, one year from September 1, 1962, \$2,500 (7-20-62).
- GIACOMONI, DARIO A., Upjohn Company Fellow in Microbiology, one year from September 1, 1962, \$2,667 (7-26-62).
- GOVINDJEE, RAJNI, United States Public Health Service Postdoctoral Fellow (Trainee) in the Division of Biophysics (School of Life Sciences), one year from September 1, 1962, \$6,000 (6-14-62).
- HALPER, IRA, United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, \$3,000 (6-22-62).
- HEINTZ, NORMAN V., United States Public Health Service Fellow (Trainee) in Psychiatry (Medical Center), three months from June 16, 1962, \$200 per month (7-5-62).
- HOFFMAN, GERALD K., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, \$3,600 (6-22-62).
- JANADO, MASANOBU, United States Public Health Service Fellow (Trainee) in Food Technology, one year from September 1, 1962, \$2,500 (5-28-62).
- KILLIP, DEVORE E., United States Public Health Service Fellow (Trainee) in Psychology and Education (College of Dentistry), one year from July 1, 1962, \$2,250 (7-6-62).
- KIM, (MISS) SUN CHUN, Wright Fellow in Food Technology, nine months from September 16, 1962, \$1,500, supersedes (7-5-62).
- KOOPMAN, RAYMOND F., JR., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$2,000 (6-8-62).
- KOSKINEN, PIIRKKO, Fellow in Law, nine months from September 16, 1962, \$1,500; and two months from June 16, 1963, \$375 (3-30-62).
- LAWDER, SUE ANN, Grolier-Americana Fellow in Library Science, nine months from September 16, 1962, \$1,000 (6-27-62).
- LEE, DONALD J., United States Public Health Service Fellow (Trainee) in Animal Science, one year from September 1, 1962, \$2,500 (7-20-62).
- LEWIS, ORDA S., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,170, supersedes (6-29-62).
- LINDAUER, THEODORE, United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, \$3,000 (6-22-62).
- MARTIN, DUNCAN W., United States Public Health Service Postdoctoral Fellow (Trainee) in Physiology, June 16-August 31, 1962, \$833.10 (8-21-62).
- MAZUMDAR, B. N., Wright Fellow in Horticulture, nine months from September 16, 1962, \$1,500 (6-20-62).
- MCCALL, ROBERT B., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$1,800 (7-11-62).
- MCLAIN, LARRY G., United States Public Health Service Fellow (Trainee) in Psychiatry (Medical Center), three months from June 16, 1962, \$200 per month (7-5-62).
- MEYER, EVY, Louis Bothman Fellow in Ophthalmology (Medical Center), six months from March 1, 1962, \$1,500 (7-6-62).
- MOREL, JOHN L., Fellow (Intern) in Government and Public Affairs, one year from September 1, 1962, \$2,700 (7-3-62).
- NEE, MICHAEL D., Fellow (Intern) in Government and Public Affairs, one year from September 1, 1962, \$2,700 (6-22-62).

- NUESE, CHARLES J., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1962, \$3,000 (6-14-62).
- OHTAKA, YOICHI, Postdoctoral Fellow (Trainee) in Microbiology, one year from July 1, 1962, \$7,800 (7-9-62).
- PIFER, JOE H., Texas Instruments Company Fellow in Physics, nine months from September 16, 1962, \$2,000 (7-26-62).
- POSTMA, THOMAS E., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1962, \$2,000 (6-14-62).
- PROCTOR, ROBERT A., JR., Lilly Endowment Postdoctoral Fellow in Psychology, nine months from September 16, 1962, \$5,000 (8-9-62).
- SACKETT, DAVID L., United States Public Health Service Postdoctoral Fellow in Medicine, one year from July 1, 1962, without salary (7-9-62).
- SAUNDERS, GRADY F., United States Public Health Service Fellow (Trainee) in Microbiology, three months from June 16, 1962, \$700 (5-31-62).
- SEELY, OLIVER, JR., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1962, \$445 (6-25-62).
- SLATER, DONALD W., United States Public Health Service Fellow (Trainee) in Microbiology, one year from June 16, 1962, \$2,666.64 (6-14-62).
- SMITH, JACK L., Postdoctoral Fellow (Trainee) in Animal Science, five months from September 1, 1961, \$2,375, supersedes; on 7/10 time, five months from February 1, 1962, \$1,662.50; this is in addition to his appointment as Research Associate in Animal Science (Agricultural Experiment Station) on 3/10 time, two months from July 1, 1962, \$950, and ten months from September 1, 1962, \$5,250 (8-29-62).
- STAHLY, DONALD P., United States Public Health Service Fellow (Trainee) in Microbiology, June 16-July 1, 1962, \$116.66 (7-31-62).
- TANNENBERG, ALF M., United States Public Health Service Postdoctoral Fellow in Medicine, one year from July 1, 1962, without salary (6-29-62).
- VOY, PHYLLIS G., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, \$450 (6-13-62).
- WELKER, NEIL E., United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1962, \$4,500 (5-24-62).
- WHITMAN, THOMAS L., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, \$1,800 (7-11-62).
- WILLIAMS, CHARLES A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,310, supersedes (7-3-62).
- YANKOVSKY, SAUL A., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1962, \$2,667 (7-26-62).

#### RESIGNATIONS AND DECLINATIONS

- ADLER, FELIX T., Professor of Physics and of Nuclear Engineering—declination effective June 16, 1962.
- ALDERSON, C. ROLAND, Administrative Assistant in the College of Commerce and Business Administration—declination effective September 1, 1962.
- ALI, MIR A., Research Assistant in Physics—declination effective September 1, 1962.
- AUTH, LEO V., JR., Instructor in Electrical Engineering—resignation effective September 1, 1962.
- ATWOOD, BARBARA M., Clinical Counselor in the Student Counseling Service, with rank of Assistant Professor—declination effective September 1, 1962.
- BAKER, LORIS S., Assistant in English—declination effective September 16, 1962.
- BALDINO, EVANGELINE C., Acquisition Assistant in the Library—declination effective September 1, 1962.
- BALTCH, ALDONA L., Assistant Professor of Medicine—resignation effective September 1, 1962.
- BEALS, ROBERT J., Associate Professor of Ceramic Engineering—resignation effective September 1, 1962.
- BELL, HAROLD L., Fellow in Political Science—resignation effective September 16, 1962.
- BETTS, BRIAN E., Research Associate in Chemistry—resignation effective September 1, 1962.
- BINNING, BRIAN R., Research Assistant in Architecture—resignation effective June 25, 1962.

- BLAKEMORE, ROBBIE G., Assistant Professor of Home Economics—resignation effective September 1, 1962.
- BOAS, GLENN, Instructor in Dentistry—declination effective September 1, 1962.
- BOWALD, ROSEMARY A., Instructor in Home Economics—resignation effective August 31, 1962.
- BROTT, EUGENE E., Instructor in English—resignation effective September 1, 1962.
- BROWN, ALLAN R., Visiting Lecturer in Physics (Chicago Undergraduate Division)—declination effective September 16, 1962.
- BROWN, RAYMOND B., Instructor in Art—resignation effective September 1, 1962.
- BROWN, ROBERT C., Assistant in the Institute of Aviation—resignation effective August 12, 1962.
- BURROUS, STANLEY E., United States Public Health Service Fellow (Trainee) in Microbiology—resignation effective August 21, 1962.
- CASSELL, ROBERT L. S., Instructor in English (Chicago Undergraduate Division)—declination effective September 1, 1962.
- CHAKRAVARTI, SUSIL K., Research Associate in Chemistry—declination effective September 1, 1962.
- CHALUS, DONALD R., Instructor in the Institute of Aviation—resignation effective September 1, 1962.
- COLLIN, ELINOR E., Lecturer in Art—resignation effective September 1, 1962.
- CONNICK, LOUIS, Instructor in Education (University High School)—declination effective September 1, 1962.
- COULOS, JAMES, Assistant in English—resignation effective September 16, 1962.
- DAKSHINAMURTI, K., Research Associate in Animal Science—resignation effective August 28, 1962.
- DARO, AUGUST F., Clinical Assistant Professor of Obstetrics and Gynecology (Medicine)—resignation effective July 1, 1962.
- DAVIS, LORIN R., Engineering Faculty Development Teaching Fellow in Mechanical Engineering—termination effective July 1, 1962.
- DAY, NORMAN D., Fellow in Architecture—resignation effective June 16, 1962.
- EILERT, MRS. MARY J., University High School Librarian, with rank of Instructor in Library Administration—resignation effective September 1, 1962.
- ENGEL, JAMES, Assistant Professor of German—resignation effective September 1, 1962.
- ENGELSBURG, STANLEY J., Research Associate in Physics—declination effective September 1, 1962.
- ENGLANDER, HAROLD R., Associate Professor of Applied Materia Medica and Therapeutics (Dentistry)—resignation effective September 1, 1962.
- FAIRBANKS, GRANT, Professor of Speech—resignation effective September 1, 1962.
- FINGELD, CHARLES R., Research Assistant in the Coordinated Science Laboratory (Engineering)—resignation effective September 1, 1962.
- FOSTER, HAROLD E., Instructor in Veterinary Physiology and Pharmacology (Veterinary Medicine)—resignation effective May 25, 1962.
- FRIEND, JAMES, Instructor in English (Chicago Undergraduate Division)—resignation effective September 1, 1962.
- FUCHI, KAZUHIRO, Research Assistant in the Digital Computer Laboratory—resignation effective August 1, 1962.
- FULTON, ROBERT E., Assistant Professor of Civil Engineering—resignation effective September 1, 1962.
- GAGE, NATHANIEL L., Professor of Education and Psychology—declination effective September 1, 1962.
- GAITHER, ROBERT B., Instructor in Mechanical Engineering—resignation effective September 1, 1962.
- GLAWE, JOHN F., Instructor in the Division of General Studies, Summer Session—declination effective August 12, 1962.
- GRIFFIN, CHARLES H., Professor of Accountancy—resignation effective September 1, 1962.
- GROSSMAN, R. S., Fellow in Philosophy, Summer Session—resignation effective June 16, 1962.
- HAMLIN, ROY M., Professor of Psychology—resignation effective September 1, 1962.
- HATANO, SHIGERU, Lecturer with rank of Professor of Anesthesia (Surgery) (Medicine)—resignation effective August 14, 1962.



- HEATH, EDWARD H., Counselor in the Student Counseling Service; Counselor, Council on Teacher Education, and Instructor in Physical Education for Men — declination effective September 1, 1962.
- HEDISH, NORMAN D., Instructor in Accountancy (Chicago Undergraduate Division) — declination effective September 1, 1962.
- HEERMANS, MARY F., Assistant Professor of Occupational Therapy (Medicine) — resignation effective September 1, 1962.
- HOFFMAN, CATHERINE F., Assistant in Occupational Therapy (Medicine) — resignation effective September 1, 1962.
- HORKAY, A. T., Research Assistant in Civil Engineering — resignation effective June 16, 1962.
- HUFFAKER, DONALD C., Engineering Faculty Development Teaching Fellow in Theoretical and Applied Mechanics — termination effective July 1, 1962.
- HUFFNAGLE, MADELINE A., Research Assistant in Zoology — declination effective September 1, 1962.
- HULSIZER, ROBERT I., JR., Professor of Physics, two months from July 16, 1962, — declination effective July 16, 1962.
- JOHNSON, HELEN, Research Assistant in Pediatrics (Medicine) — resignation effective July 1, 1962.
- JOHNSON, KEITH E., Research Associate in Chemistry — resignation effective September 1, 1962.
- JONES, JOAN M., Instructor in Chemistry (Chicago Undergraduate Division) — declination effective September 1, 1962.
- JONES, SAM T., Assistant Professor of Ophthalmology (Medicine) — resignation effective September 1, 1962.
- KABLER, MILTON N., Assistant Professor of Metallurgical Engineering — resignation effective August 22, 1962.
- KARAKASHIAN, STEPHEN J., Research Associate in Chemistry — resignation effective August 1, 1962.
- KEIM, HELEN L., House Director of Beta House — declination effective September 1, 1962.
- KIEN, GERALD A., Assistant Professor of Pharmacology (Medicine) — resignation effective September 1, 1962.
- KRIECKHAUS, EDWARD E., Research Assistant in Electrical Engineering — resignation effective August 1, 1962.
- KURZ, DONALD A., Instructor in General Engineering (Chicago Undergraduate Division) — termination effective September 1, 1962.
- LAFUSE, HARRY G., Instructor in Electrical Engineering — resignation effective September 1, 1962.
- LEE, GRACE L. C., Research Assistant in the School of Life Sciences — resignation effective June 16, 1962.
- LIAY, LOUIS D., Head Resident and Assistant Manager, Men's Residence Halls (Housing Division) — resignation effective July 1, 1962.
- LIM, CHUN S., Research Assistant in the State Water Survey — resignation effective July 1, 1962.
- LISTON, PHYLLIS, Assistant in English — declination effective September 16, 1962.
- LITTLEDIKE, E. TRAVIS, Instructor in Veterinary Research and in Veterinary Anatomy and Histology — declination effective September 1, 1962.
- MARSHALL, THOMAS C., Assistant Professor of Electrical Engineering — resignation effective September 1, 1962.
- MARTIN, DUNCAN W., United States Public Health Service Fellow (Trainee) in Physiology — termination effective June 16, 1962.
- MARTIN, PATRICIA C., Research Assistant in Physics — declination effective September 1, 1962.
- McMILLAN, JOYCE A., Fellow in Chemistry — resignation effective September 16, 1962.
- MELMAN, MYRON, Research Assistant in the Digital Computer Laboratory — resignation effective July 30, 1962.
- METCALF, GARY E., Research Assistant in Forestry — resignation effective September 1, 1962.
- MILLER, ALLEN H., Research Assistant Professor of Physics — declination effective September 1, 1962.

- MONTGOMERY, FLEMING, Biology Library Assistant, with rank of Instructor — declination effective September 1, 1962.
- MOORE, JAMES E., Instructor in Home Economics — resignation effective September 1, 1962.
- MORGAN, THOMAS T., Assistant in Education (University High School) — declination effective September 16, 1962.
- MOYAR, GERALD J., Research Assistant Professor of Theoretical and Applied Mechanics — resignation effective September 1, 1962.
- MYERS, BASIL R., Associate Professor of Electrical Engineering — resignation effective September 1, 1962.
- NORDMANN, CAROLANNE M., United States Public Health Service Fellow (Trainee) in Psychology — resignation effective September 16, 1962.
- O'DONNELL, ROBERT E., Psychometrist in Student Counseling Service (Chicago Undergraduate Division) — resignation effective September 1, 1962.
- O'GRADY, GERALD L., Instructor in English — resignation effective September 1, 1962.
- OMORI, DOROTHY K., Instructor in Occupational Therapy (Medicine) — resignation effective September 1, 1962.
- PAL, DILIP K., Research Assistant in the Bureau of Community Planning, two months from June 16, 1962 — declination effective June 16, 1962.
- PEEK, LEVIN J., JR., Research Assistant in the Digital Computer Laboratory — declination effective September 16, 1962.
- PINTER, JOYCE K., Research Assistant in Preventive Medicine (Medicine) — resignation effective June 1, 1962.
- POTTLER, CHRISTOPHER, Research Assistant Professor in the Coordinated Science Laboratory and Research Assistant Professor in Electrical Engineering — declination effective September 1, 1962.
- PROSSER, JEAN V., Instructor in Medical Social Work (Medical Center) — declination effective September 1, 1962.
- PURCELL, FRANCIS P., Consultant in the Jane Addams Graduate School of Social Work, with rank of Associate Professor — resignation effective September 1, 1962.
- PYTEL, RONALD J., Registered Pharmacist in Hospital Pharmacy (Pharmacy) — declination effective September 1, 1962.
- ROTH, HAROLD A., Clinical Assistant Professor of Surgery (Medicine) — resignation effective June 1, 1962.
- ROWE, RICHARD L., Assistant in English — declination effective September 16, 1962.
- ROWE, WILLIAM L., Instructor in Philosophy — declination effective September 1, 1962.
- RUSS, AUBREY, Assistant Professor in Psychiatry (Medicine) — resignation effective September 1, 1962.
- SCAMMAN, W. WIKE, Instructor in Pathology (Medicine) — termination effective July 1, 1962.
- SCHAYER, FREDERICK D., Instructor in the Institute of Aviation — declination effective September 1, 1962.
- SCHORN, RONALD A., Assistant in Astronomy — resignation effective July 24, 1962.
- SEUBERT, BURKHARD, Assistant Professor of German — resignation effective September 1, 1962.
- SHEINBLATT, MATITYAHU, Research Associate in Chemistry — resignation effective August 1, 1962.
- SHUGRUE, MICHAEL F., Fellow in English — resignation effective June 16, 1962.
- SINHA, SHYAMAL K., Associate Professor and Assistant Coordinator of AID Programs in Veterinary Physiology and Pharmacology — resignation effective August 1, 1962.
- SKORNIA, LORENE M., Assistant to Dean of Women — resignation effective September 16, 1962.
- SMITH, JACK L., Research Associate in Animal Science — resignation effective September 1, 1962.
- SUBOKA, NOBORU, Assistant Professor of Microbiology — resignation effective September 1, 1962.
- SUSIMA, STANLEY V., Associate Professor of Pharmacy (Medical Center) — declination effective September 1, 1962.

- SWOISKIN, BERNARD L., Instructor in Orthodontics (Dentistry) — resignation effective September 1, 1962.
- TUCKER, WILLIAM P., Research Associate in Chemistry — resignation effective August 1, 1962.
- TUMAN, VLADIMIR S., Associate Professor of Mining, Metallurgy, and Petroleum Engineering — resignation effective August 1, 1962.
- TUNNELL, CURTIS D., Research Assistant in Anthropology — resignation effective June 16, 1962.
- VAN BEAUMONT, SHEILA L., Instructor in Physical Education — resignation effective September 1, 1962.
- VORMELKER, ROSE L., Associate Professor of Library Science — declination effective September 1, 1962.
- WATADA, NORITAKA, Research Associate in Food Technology — declination effective September 1, 1962.
- WHITFIELD, GEORGE D., Research Assistant Professor of Physics — declination effective September 1, 1962.
- WILCZEWSKA, IZABELLA M., Research Assistant in Microbiology — resignation effective September 1, 1962.
- WILF, HERBERT S., Assistant Professor of Mathematics — resignation effective September 1, 1962.
- WILFONG, ANNE E., Assistant in English — declination effective September 16, 1962.
- WILLIAMS, THOMAS H., Assistant Professor of Accountancy — resignation effective September 1, 1962.
- WILLIAMS, VICTOR T., Research Assistant in Economic Entomology — resignation effective August 1, 1962.
- YAMANE, TETSUO, Research Associate in Microbiology — resignation effective September 1, 1962.
- YOSHIKAWA, HIROSHI, Research Associate in Microbiology — resignation effective September 1, 1962.

#### LEAVES OF ABSENCE

- ADAMS, MARY, Assistant Professor of Nursing — leave of absence, without pay, June 1 through August 15, 1962, so that she may complete her Ph.D. dissertation.
- BLAU, MRS. ZENA S., Assistant Professor of Nursing — leave of absence, without pay, one year from September 1, 1962.
- COLEMAN, PAUL D., Professor of Electrical Engineering — leave of absence, without pay, one year from September 1, 1962, so that he may accept a Visiting Professorship at Stanford University.
- ERIKSEN, CHARLES W., Professor of Psychology and Associate Member of the Center for Advanced Study — sabbatical leave of absence, with full pay, second semester of the academic year 1962-63.
- FEHRENBACHER, JOE B., Associate Professor of Pedology (Agronomy) — leave of absence, without pay, eight months from October 1, 1962, so that he may complete course work on his Ph.D. degree at Purdue University, Lafayette, Indiana.
- FEINSTEIN, AMIEL, Assistant Professor of Mathematics — leave of absence, without pay, one year from September 1, 1962, so that he may devote this time to study and research.
- FIELD, MARK G., Associate Professor of Sociology — leave of absence, without pay, first semester of the academic year 1962-63, on account of illness in the family.
- HELLER, ALEX, Professor of Mathematics — sabbatical leave of absence, with full pay, March 1, 1963, through August 31, 1963.
- HENNESSEY, JAMES J., Instructor in Art — leave of absence, without pay, one year from September 1, 1962, so that he may study under a Prix de Rome Fellowship abroad.
- HIRSCH, JERRY, Associate Professor of Psychology — leave of absence, without pay, March 1 through August 31, 1963, so that he may accept a Visiting Professorship at the University of California.
- HOLLINGSWORTH, J. ROGERS, Assistant Professor of History — leave of absence, without pay, one year from September 1, 1962, so that he may accept a Mellon Fellowship at the University of Pittsburgh.

- KORD, VICTOR G., Instructor in Art — leave of absence, without pay, one year from September 1, 1962, so that he may study and paint in Paris under a Guggenheim Fellowship.
- LATHROP, MRS. DOROTHY C., Research Assistant in Physics — leave of absence, without pay, one month from August 1, 1962.
- MILLER, WENDELL E., Professor of Electrical Engineering and Associate Head of the Department — leave of absence, without pay, one month from August 1, 1962.
- PAGE, THOMAS, Consultant for Evaluation in the Peace Corps, Associate Professor in the Institute of Government and Public Affairs and of Political Science — leave of absence, without pay, December 16, 1962, through January 15, 1963.
- REINER, IRVING, Professor of Mathematics — sabbatical leave of absence, with full pay, March 1 through August 31, 1963.
- RUINA, JACK P., Professor of Electrical Engineering and Research Professor in the Coordinated Science Laboratory — extension of leave of absence, without pay, one year from September 1, 1962.
- WILSON, MRS. JEAN G., Research Assistant in Agricultural Entomology — leave of absence, without pay, July 16 through August 12, 1962, on account of disability.

#### RETIREMENT

- GOPPERT, HAROLD R., Professor of General Engineering, *Emeritus*, effective September 1, 1962.

#### AUGUST DEGREES CONFERRED

The Secretary presented for record the following list of degrees conferred at Urbana, Illinois, as of August 13, 1962, on recommendation of the Urbana-Champaign Senate.

##### Summary

Degrees in the Graduate College, conferred at Urbana:

Master of Arts.....	119
Master of Science.....	269
Master of Music.....	4
Master of Education.....	209
Master of Social Work.....	1
Master of Fine Arts.....	2
Master of Laws.....	2
Master of Architecture.....	3
Master of Accounting Science.....	12
Master of Television.....	3
Advanced Certificate in Education.....	20
<i>Total, Graduate College.....</i>	<i>(644)</i>

Degrees in Law, conferred at Urbana:

Bachelor of Laws.....	7
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Baccalaureate Degrees, conferred at Urbana:

Bachelor of Science, College of Agriculture.....	18
Bachelor of Science, College of Engineering.....	82
Bachelor of Arts, College of Liberal Arts and Sciences.....	65
Bachelor of Science, College of Liberal Arts and Sciences.....	32
Bachelor of Science, College of Education.....	36
Bachelor of Science, College of Commerce and Business Administration...	54
Bachelor of Science, College of Journalism and Communications.....	16
Bachelor of Architecture, College of Fine and Applied Arts.....	4
Bachelor of Fine Arts, College of Fine and Applied Arts.....	23
Bachelor of Music, College of Fine and Applied Arts.....	3
Bachelor of Science, College of Fine and Applied Arts.....	8
Bachelor of Science, College of Physical Education.....	6
Bachelor of Science, Division of Special Services for War Veterans.....	1
Bachelor of Science, College of Veterinary Medicine.....	1
<i>Total, Baccalaureate Degrees.....</i>	<i>(356)</i>
<i>Total, Degrees Conferred at Urbana.....</i>	<i>1,000</i>

**GRADUATE COLLEGE****Degree of Master of Arts***In Art Education*

- GEORGE CHRIS BLANAS, B.F.A., B.A.E., School of the Art Institute of Chicago, 1954, 1958  
WILLIAM EDWARD HEATER, JR., B.S., State University of New York College for Teachers (Buffalo), 1959  
JAMES RICHARD HILL, B.S., Eastern Illinois University, 1956  
MARY ALICE NESTI, A.B., Northwestern University, 1959  
ARLENE ELIZABETH RICHARDS, A.B., Western Michigan College of Education, 1955

*In Economics*

- GEORGE WILLIAM LEHMANN, B.S., 1961  
JAMES MERLE TREECE, B.S., 1959

*In Education*

- JACK KUENNE GENSKOW, B.S., University of Wisconsin, 1961

*In English*

- BARBARA ANN BRUCE, A.B., Memphis State University, 1961  
JANE MOE HUGHES, A.B., University of Wisconsin, 1953  
JOHN KENT, A.B., University of Southampton, 1956  
WILLIAM DAVID MILLER, A.B., 1961  
JUDITH WEINBERGER NACK, A.B., University of Michigan, 1961  
EDWARD LEE NIEHUS, A.B., 1961  
BETTY MILLAN PARK, A.B., 1960  
CONSTANTINE SANTAS, A.B., Knox College, 1961  
MARGIE SCHAEFER, A.B., 1962  
SANDRA LEE SCHENCK, A.B., University of Wichita, 1960  
RICHARD WALTON SEARLES, A.B., 1958  
THOMAS BAKER TUFTS, A.B., Harvard University, 1961  
BARBARA ANN BANDY WALLEY, A.B., Northern Illinois University, 1959  
SUE ANN WINGER, A.B., Butler University, 1961

*In French*

- FRANK EDWARD BAKER, B.S., Illinois State Normal University, 1961  
CONSTANCE ELIZABETH BENNETT, B.S., Simmons College, 1961  
JOSETTE NEDELEC SAUNDERS, B.Ed., University of Toledo, 1957  
FARREN GAYLE STOVER, B.S., Illinois State Normal University, 1959

*In Greek*

- ROBERT ALLISON GUELICH, A.B., Wheaton College, 1961

*In History*

- DARREL ROBERT CADY, A.B., Iowa State Teachers College (Cedar Falls), 1958  
MELVIN THOMAS GUSTAFSON, A.B., Augustana College, 1960  
JOHN WILLIAM MCLURE, B.S., University of Alabama, 1956  
DAVID RONALD RABAUT, A.B., Michigan State University, 1960  
KENNETH JAMES SPENCLEY, B.Ed., University of Toledo, 1960  
ARMSTRONG MARION STARKEY III, A.B., Hiram College, 1960  
GARY GRANT WEHLAGE, A.B., Augustana College (South Dakota), 1958

*In Labor and Industrial Relations*

- CHARLES COTY MOORE, B.S., 1955  
PHILIP FRED PICKETT, JR., A.B., Blackburn College, 1957  
DOUGLAS EARL WOLFE, B.S., 1956

*In Latin*

- AUDREY NOTVIK IVERSEN, A.B., A.M., University of Minnesota, 1953, 1955

*In Mathematics*

- CAROL SHIGEKU ABE, A.B., University of California (Berkeley), 1960  
JAMES TARPLEY BOLDING, JR., B.S., Howard Payne College, 1954

- LORETTA MURRAY BRAXTON, B.S., Virginia Union University, 1955  
 FRED ALFRED BROWN, B.S., Morningside College, 1952  
 MILO FLOYD BRYN, B.S., M.S., North Dakota State University of Agricultural and Applied Science, 1954, 1959  
 EDWARD CHU, A.B., University of California (Berkeley), 1951  
 VIRGINIA ANNE COOK, A.B., Louisiana College, 1956; M.S., Mississippi State University, 1957  
 JOHN WILLIAM DANIELS, A.B., Howard Payne College, 1957; A.M., Appalachian State Teachers College, 1959  
 WILLIAM WARNER DARLAND, B.S., Central Michigan College of Education, 1958  
 MARTIN JULIUS DREYFUSS, B.S., City University of New York, 1941; M.S., Syracuse University, 1948  
 JOHN HARRISON ESBIN, JR., B.S., West Chester State College, 1959  
 JANICE LOUISE FLAKE, B.S., Eastern Illinois University, 1961  
 FRANCIS GARY FLOREY, A.B., Augustana College, 1958  
 HECTOR BERNARD FOISY, A.B., St. Michael's College, 1958  
 ALAN GENE FOSTER, B.S., Illinois State Normal University, 1955  
 RAYMOND DANA GIBSON, B.S., Pennsylvania State Teachers College (Slippery Rock), 1951; M.S., Westminster College, 1956  
 PAUL MARTIN GRABARKEWITZ, B.S., M.S., North Dakota State University of Agricultural and Applied Science, 1951, 1957  
 HOWARD MAYER GRATER, A.B., A.M., University of Denver, 1949, 1956  
 MARVIN DUANE GUTZMER, B.S., M.S., North Dakota State University of Agricultural and Applied Science, 1957, 1958  
 MARTHA BAIRD HAINES, A.B., Iowa Wesleyan University, 1948  
 LAURA JOYCE WHITE HILL, B.S., M.S., 1951, 1956  
 JAMES GRADY HOBSON, A.B., Ed.M., Oregon State College, 1950, 1952  
 ROBERT LAYNE HOCKING, B.S., Idaho State College, 1958  
 ROBERT JAMES KANSKY, B.S., Florida State University, 1959  
 GAYLE ALTON KRAUSE, B.S., Fort Hays Kansas State College, 1950  
 BOBBY DON LANGSTON, A.B., Howard Payne College, 1954  
 LAWAYNE NEIL MORSETH, A.B., Augsburg College, 1951  
 BILLY RAY NAIL, A.B., Hardin-Simmons University, 1956  
 ELMO LAUREN NASH, B.S., University of Minnesota, 1946  
 SANDRA HOFFMAN PRICE, B.S., 1957  
 DON PROCK, B.S., Southwestern Institute of Technology, 1951; Ed.M., University of Oklahoma, 1959  
 EDWARD FRANKLIN RITTENHOUSE, B.S., M.S., Illinois State Normal University, 1956, 1959  
 BERNARD LOUIS SCHULTENOVER, B.S., St. Cloud State College, 1959  
 VERBAL MERLE SNOOK, B.S., University of Oregon, 1956  
 JOHN WARREN STANNARD, B.S., Wisconsin State College (Oshkosh), 1957  
 MAJOR FRANKLIN STEWART, B.S., Central State College, 1958  
 STANLEY LAVERNE URWILLER, B.S., Nebraska State Teachers College (Kearney), 1958  
 ROYAL DEAN VAN TASSEL, B.S., Eastern Illinois University, 1956; M.S., Illinois Wesleyan University, 1961  
 HENRY WALDMAN, B.S., Northern Illinois University, 1958  
 MELVIN ROBERT WOODARD, B.S., State Teachers College (Mansfield, Pennsylvania), 1958  
 RUSSELL EDWARD ZWOYER, B.S., Illinois State Normal University, 1959

*In Philosophy*

- JARRETT ERNEST BROCK, A.B., Rollins College, 1958

*In Political Science*

- ALMA DON SORENSEN, B.S., Utah State University, 1960  
 HARRY ROBERT TARG, B.S., 1961

*In Psychology*

- PATRICIA GREIG BOWERS, A.B., Rosemont College, 1960  
 WILLIAM DE MARCO, B.S., College of the City of New York, 1959  
 THOMAS JOSEPH McHALE, A.B., A.M., St. Louis University, 1957, 1960

*In Social Sciences*

ARLINE FAY CARY, B.S., Illinois Wesleyan University, 1960  
GEORGE EDGAR PENCE, A.B., McKendree College, 1961

*In Spanish*

MARTHA ANN McNUTT, B.S., Bowling Green State University, 1961  
EILEEN ANNETTE RICCOMI, A.B., 1961  
LINDA ANN SOLLISH, A.B., Brooklyn College, 1960  
NANCY ADELE STURIES, A.B., 1959

*In Speech*

ANN CAROLYN WHITE BURRILL, A.B., Agnes Scott College, 1936  
DIKKA JANE ELY, A.B., Oberlin College, 1961  
KAREN ANDREA HALVORSON, A.B., Gustavus Adolphus College, 1961  
WILLIAM ERNEST LIVINGSTON, A.B., Humboldt State College, 1961  
JAMES THOMAS McALLISTER, B.S., Oregon College of Education, 1960  
NOBLE EVERETT RICHARDS, JR., B.S., Black Hills Teachers College, 1958  
SISTER MARY WILMA SMITH, A.B., St. Ambrose College, 1954  
JULIE ANN STUSRUD, A.B., 1961  
RAYMOND LEE THOMPSON, A.B., MacMurray College, 1961

*In the Teaching of English*

JAMES EDWIN BEATTY, A.B., Wheaton College, 1953  
HILLIS RAY COLE, JR., B.S., 1960  
BARBARA MAE CROISSANT, A.B., University of Dubuque, 1949  
JEANETTE PARQUETTE DODGE, B.S., 1949  
IRENE COFFIN KUTSCHER, A.B., Georgetown College, 1958  
DONALD LOUIS OBERLE, A.B., Quincy College, 1961  
LOIS ANNE RICHMAN, A.B., 1958  
YVONNE FRANCES VISH, B.S., 1959

*In the Teaching of French*

STEPHEN DALE ADAMS, B.S., Illinois State Normal University, 1959  
CLARA ALICE HARTMAN, A.B., 1957

*In the Teaching of Social Studies*

RICHARD VINCENT CHIERICO, B.S., 1961  
CHARLES ELBERT GEITNER, A.B., Eureka College, 1957  
PAULETTE BURR KLING, B.S., 1959  
ROBERT CARL LEMCKE, A.B., San Francisco State College, 1958  
RICHARD WAYNE MAHOOD, A.B., Hamilton College, 1956  
ALTRICIA OGDEN MISSE, B.S., 1959  
WILMA ARLINE STOKES, A.B., Principia College, 1959  
LAWRENCE DANIEL WEAVER, A.B., Wheaton College, 1961

*In the Teaching of Speech*

VIRGINIA RAE LYNCH, B.S., 1957

**Degree of Master of Science***In Accountancy*

LEWIS CLIFFORD BULLER, B.S., Indiana State Teachers College, 1958  
DONALD LEE MINI, A.B., Sacramento State College, 1961  
ING-MIN SHIEH, A.B., National Taiwan University, 1958

*In Aeronautical and Astronautical Engineering*

IVAN DOYLE BROWN, B.S., State College of Washington, 1954  
ROBERT EDWARD SPITZER, B.S., 1961

*In Agricultural Economics*

ROBERT WILLIS CLARK, B.S., 1956  
NORMAN COWARD, B.S., Wye College, 1961  
HANS KONRAD LARSEN, B.S., Royal Veterinary and Agricultural College, 1959

MONTONORI MIYAZAKI, B.Agr., University of Tokyo, 1954  
MAGNE ØSTERAS, Degree, Agricultural College of Norway, 1958

*In Agricultural Education*

WILLIFORD A. HOCKETT, B.S., 1952

*In Agricultural Engineering*

LEROY KENNETH PICKETT, B.S., Kansas State University, 1961

*In Agronomy*

WILLIAM MAXHAM EDWARDS, B.S., 1961

WAYNE ROBERT JORDAN, B.S., 1961

BENJAMIN JOHN MIFLIN, B.S., University of Nottingham, 1960

BAROOLAL NEMA, B.S., Nagpur University, 1941; Diploma, Indian Agricultural Research Institute, 1955

JAGANNATH PRASAD PATEL, B.S., Nagpur University, 1949; Associateship, Indian Agricultural Research Institute, 1954

*In Animal Science*

SURENDRA KUMAR RANJHAN, B.V.S., M.V.S., Agra University, 1956, 1960

*In Architectural Engineering*

JOHN YOSHIO FUJIWARA, B.Arch., 1961

*In Astronomy*

ELAINE SWEITAL AVNER, A.B., University of Pennsylvania, 1960

*In Biological Sciences*

MIRKA MARIE MEJZR, B.S., 1961

*In Botany*

PETER ROGERS ATSATT, A.B., University of California (Santa Barbara), 1960

ELIZABETH ANN HUBBARD, B.S., 1960

JACQUELIN LUCE WILEN, B.S., 1957

*In Ceramic Engineering*

LARRY LEE FEHRENBACHER, B.S., 1961

CHARLES BERNARD GREENBERG, B.S., Rutgers University, 1961

*In Chemical Engineering*

CHARLES KEY EDGE, B.S., Carnegie Institute of Technology, 1960

JOSEPH PETER GLAS, A.B., Rockhurst College, 1960

IRA ARTHUR GURA, B.Ch.E., Cooper Union, 1960

*In Chemistry*

JOSÉ ANTONIO RAFAEL ARIAS LIMONTA, B.S., Louisiana State University, 1961

RONALD HENRY CARLSON, B.S., University of Massachusetts, 1960

ROBERT JOSEPH CROUCH, B.S., Southern Methodist University, 1961

DONALD HUBERT KUBICEK, B.S., State University of Iowa, 1960

JOHN PAUL PETROVICH, B.S., St. Mary's College, 1960

ALAN NEWTON SCOTT, B.Mus., A.B., Northwestern University, 1951, 1958

*In City Planning*

FRANKLIN COURTNEY ELLIS, JR., A.B., Princeton University, 1954; M.Mus., Northwestern University, 1958

ROBERT WILLIAM RICHTER, B.S., Illinois Institute of Technology, 1950

THEODORE GENE WILDING, B.S., Iowa State University of Agricultural and Mechanical Arts, 1957

*In Civil Engineering*

ANTHONY THOMAS CAMPANELLI, B.C.E., University of Dayton, 1961

GEORGE CHUN-YI CHANG, B.S., Taiwan Provincial Cheng Kung University, 1959

JOHN SEWARD ENDICOTT, B.S., University of Colorado, 1954

WILLIAM JOSEPH GARCIA, JR., B.S., United States Military Academy, 1959



JERRY WATSON HALE, B.S., Virginia Military Institute, 1956  
 ARTHUR THOMAS HORKAY, B.S., 1961  
 HSUN-SHENG HSIEH, B.S.E., University of Michigan, 1960  
 WILLIAM TIN-KAN HUNG, B.S., Taiwan Provincial Cheng Kung University, 1959  
 MAHINDER KUMAR JAIN, B.S., Banaras Hindu University, 1959  
 ANTHONY MONSHIUM KAO, B.S., 1959  
 ABDEL KARIM CONRADO, C.E., National University of Nicaragua, 1961  
 JOAQUIN MARIN DOMINGUEZ, C.E., Central University of Venezuela, 1960  
 BIJAN MOHRAZ, B.S., 1961  
 NARAYAN MARTAND PRACHAND, B.Eng., Nagpur University, 1959  
 WALTER EDWARD STANLEY, B.S., United States Military Academy, 1961  
 SAYED MOHAMED SULTAN, B.S., Ain Shams University, 1959  
 ELMER WHITMAN WRIGHT, B.A.Sc., University of Toronto, 1944  
 JOHN EDWARD ZIMMERMAN, JR., B.C.E., Georgia Institute of Technology, 1961

*In Commercial Teaching*

IMELDA PRADIA, B.S., Texas Southern University, 1961  
 MARJORIE MAE REAGON, B.S., Ball State Teachers College, 1958

*In Dairy Science*

P. N. MADHAVAN NAIR, Graduate, Bengal Veterinary College, 1951  
 CORNELIS GODEFRIDUS VAN DONGEN, Candidate, Diploma, State Agricultural University (Holland), 1957, 1959

*In Economics*

DONG WON CHOL, A.B., University of California (Berkeley), 1959  
 JOHN WESLEY ROWE, JR., B.S., 1958

*In Education*

ALFRED STEWART DAVIS, B.S., 1960

*In Education of Mentally Handicapped Children*

KENNETH WAYNE BERTA, B.S., Illinois State Normal University, 1958  
 MINNIE FRANCES JOUETT, A.B., McKendree College, 1955  
 WANDA LEONA MATICKS, B.S., Quincy College, 1958  
 GEORGE STANLEY MISCHIO, A.B., New Jersey State Teachers College, 1960  
 PATTY HARRAH PATE, B.S., Western Kentucky State College, 1955  
 SALLY REE SUHREN, A.B., DePauw University, 1960

*In Electrical Engineering*

VITHAL VASUDEO ATHANI, B.Eng., University of Poona, 1956; Diploma, Indian Institute of Science, 1957  
 ROBERT GRANT BACHMAN, B.S., Illinois Institute of Technology, 1960  
 MURRAY HAROLD BOLT, B.S., University of Manitoba, 1961  
 JAMES WALTON COX, B.S., Evansville College, 1956  
 JAMES LLOYD DAVIS, B.S., 1961  
 JEAN-LOUIS-HENRI-FRANCOIS GUYON DE MONTLIVAUT, Diploma, École Nationale Supérieure des Telecommunications, 1961  
 LOUIS JOHN GARGASZ, B.S., Grove City College, 1961  
 EDWARD RICHARD GRUBERG, B.S., Cooper Union, 1961  
 DON ALLEN HOLLINGSWORTH, B.S., 1961  
 HSUNG TSAO HSU, B.S., National Taiwan University, 1959  
 KENNETH LEO HULL, B.S., University of Kansas, 1961  
 ROBERT WILLIAM HUME, B.S., 1961  
 MICHAEL HENRY JOHNS, A.B., B.S., Columbia University, 1960, 1961  
 SIN HOK LIM, A.B., Bandung Institute of Technology, 1960  
 ALBERT STARRATT NOLAN, A.B., Union College, 1953  
 JAMES ANTHONY REYNOLDS, B.S., Rochester Institute of Technology, 1958  
 MARTHA CAROLYN SHULTZ, B.S., University of Missouri School of Mines and Metallurgy, 1961  
 MARTIN JAMES SIEBACH, B.S., Rochester Institute of Technology, 1957  
 DAVIS STEVENS TARR, B.S., United States Military Academy, 1960  
 JOHN PETER TRINKO, B.S., 1962

KENNETH KAI MING TZENG, B.S., National Taiwan University, 1959  
SIM UM, B.S., 1959  
MYRON F. UMAN, B.S., Princeton University, 1961  
WILLIAM ROBERT VITACCO, B.S., Marquette University, 1961

*In Entomology*

VICTOR TERENCE WILLIAMS, B.S., Eastern Illinois University, 1960

*In Finance*

LEIGH GENE BEUBE, B.S., 1961  
RONALD LEON RACSTER, A.B., 1958  
JOHN DAVID RAMEY, B.S., 1961

*In Food Technology*

TONG HYUB JOH, B.S., Seoul National University, 1953

*In Geology*

ROBERT WILLIAM LUCE, A.B., Dartmouth College, 1960  
DONALD EASTON ORLOFF, B.S., University of Wisconsin, 1958

*In Health Education*

JOSEPH LEO BASILE, B.S., State University of New York Teachers College (Cortland), 1961  
JUDITH ANN CHRISTENSEN, B.S., New Haven State Teachers College, 1961  
WILLIAM JAMES COOKE, B.S., 1961  
JOSEPH FRANCIS DIGENNARO, A.B., Hunter College, 1961  
ELIZABETH JANE HILL, B.P.H.E., University of Toronto, 1961  
RICHARD LEE HOOSER, B.S., Illinois State Normal University, 1955  
LEONARD MINTZ, B.S., Brooklyn College, 1961  
GARY RAY SANDE, A.B., Concordia College, 1961

*In Home Economics*

ALICE GADBERRY CLARK, B.S., University of Kentucky, 1960  
MARTHA WILLETT GAEBE, B.S., 1949  
SANDRA JUNE PERROTT, B.S., Cornell University, 1961

*In Horticulture*

RAYMOND GEORGE DUEWER, B.S., 1961  
JAMES ALFRED FIZZELL, B.S., 1957

*In Journalism*

WILLIAM LEE HULL, B.S., 1958  
HOWARD DALE MARTZ, A.B., University of Minnesota, 1959  
JACK ARTHUR RARDIN, B.S., Eastern Illinois University, 1954  
DONALD LEE SMITH, B.S., 1951

*In Library Science*

MERAL ALAKUS, A.B., Chapman College, 1961  
GENE DALE ATKINS, B.S., University of Alabama, 1960  
ELEANOR FAYE VARNER ATTINELLO, A.B., 1960  
SALVATORE JOSEPH ATTINELLO, A.B., University of Massachusetts, 1961  
MARY WINIFRED BARNES, A.B., Lawrence College (Wisconsin), 1930; B.S., 1932  
LARRY XON BESANT, B.S., 1961  
ONYA K. BOSHEARS, JR., A.B., Greenville College, 1961  
DOROTHY ELIZABETH BURNS, B.S., Western Illinois University, 1956  
JIMMY ED CLARK, B.S., Texas College, 1954; B.D., Southern Methodist University, 1959  
JEAN BLUE COREY, B.S., Johnson C. Smith University, 1957  
MARY SUE DILLIARD, B.S., University of Wisconsin, 1957  
CHARLOTTE ANN EVANS, B.S., Ball State Teachers College, 1958  
MARILEE ANN FOGLESONG, B.S., Illinois State Normal University, 1958  
MARY LEE HANSON, A.B., Kalamazoo College, 1961  
MARJORIE JANE JOHNSON, B.S., Ball State Teachers College, 1959  
MATA-MARIE HENRIETTA EGAN JOHNSON, B.S., Illinois State Normal University, 1953

HELEN AUGUSTA SWIERCZEK LERITZ, A.B., 1927  
 GRACE LEOLA LESSEN, B.S., M.S., 1942, 1947  
 JOHN MARSHALL LINDSEY, A.B., Southern Illinois University, 1951; LL.B., 1958  
 ALICE LEE NORTON, A.B., Wellesley College, 1947  
 MARY ALICE RICHMOND, B.Ed., Illinois State Normal University, 1939; Ed.M., 1952  
 KATHLEEN ELISE SANDERSON, B.S., Bradley University, 1961  
 RICHARD ILY SMITH, A.B., 1961  
 SUSAN IRENE STEINIGER, A.B., Purdue University, 1961  
 PATRICIA ERNESTINE GREGANTI STROUGAL, B.S., 1960  
 ALICE LEONE SWALJUG, B.S., Wisconsin State College (Stevens Point), 1960  
 LEIGH FERNE TEMME, A.B., Valparaiso University, 1958  
 ANDREW STANISLAUS GUSTAVUS TURYN, B.S., 1952  
 DAVID BEAN WALCH, B.S., Eastern Oregon College of Education, 1960  
 EDNA JOHNSON WILLIAMS, B.S., Tennessee Agricultural and Industrial State University, 1956

*In Management*

WILLIAM ALLEN JAFFE, A.B., Pennsylvania State University, 1960

*In Marketing*

JOHN RICHARD ANDERSEN, B.S., 1958  
 LAWRENCE EDWARD DOHERTY, B.S., St. Joseph College (Indiana), 1955  
 JACK DAN FEIDEN, B.S., Fort Hays Kansas State College, 1959  
 ROBERT ERNST LINNEMAN, Ph.B., Illinois Wesleyan University, 1950  
 WILLIAM JOSEPH SMITH, B.S., 1961  
 NOEL BIRELY ZABRISKIE, B.S., 1959

*In Mathematics*

CHARLES FREDERICK ALEXANDER, A.B., Drury College, 1953  
 JESSE BYRON ALLEN, B.S., M.S., Indiana State Teachers College, 1947, 1950  
 SIMEON CAPIZZI, B.S., 1940  
 ANTHONY ALFONSAS GILVYDIS, B.S., University of Detroit, 1961  
 CHI WONG JUNG, A.B., National Taiwan University, 1957; M.S., 1960  
 PIERRE MICHEL RUIZ AUDABRAM, B.S., 1961  
 LEON PAUL SHALLA, B.S., 1960

*In Mechanical Engineering*

RICHARD CARL BENNETT, B.S., United States Military Academy, 1959  
 BRIAN MILES BERG, B.S., 1961  
 BALBIR SINGH CHHOKAR, B.S., Banares Hindu University, 1953; M.Tech., Indian Institute of Technology, 1958  
 ADRIAN CHARLES CROOK, B.S., 1961  
 WILLIAM HENRY EDWARDS, JR., B.S., United States Military Academy, 1955  
 RAYMOND WILLIAM GOLUBA, B.S., 1961  
 THOMAS REICHLEY HICKLIN, B.S., United States Military Academy, 1957  
 WALDO DEAN MARTIN, B.S., Purdue University, 1955  
 MILTON JOHN PROFANT, B.S., Case Institute of Technology, 1958  
 SATYENDRA KUMAR SOOD, B.Eng., Birla College of Engineering, 1952

*In Metallurgical Engineering*

HARRY ALBERT LEVIN, B.S., 1961

*In Microbiology*

ROBERT JOHN BOJANOWSKI, B.S., 1960

*In Music Education*

MARGARET EDNA BAYER, B.S., Northern Illinois University, 1957  
 JOANNE PATRICIA BECK, B.S., State University of New York Teachers College (Fredonia), 1958  
 CHARLES WAYNE BRODKORB, B.S., 1957  
 JACK DONALD CAMPBELL, B.Mus., Chicago Conservatory, 1958  
 NORBERT WALTER CIESLEWICZ, B.S., 1960  
 JAMES ALLEN COBB, B.S., 1956

JAY CRENSHAW DECKER, B.Mus.Ed., Municipal University of Wichita, 1956  
NANCY CAROLYN McCANDLESS GARTH, B.Mus., Oberlin College, 1959  
DAVE EDWARD HABLEY, B.S., 1953  
LOYD D. HIGGERSON, B.S., Southern Illinois University, 1949  
ORLAND WENDELL HOLMES, B.S., 1958  
DONNA HAWKS LAWSON, B.S., 1957  
BARBARA GRAMMER LITTELL, B.S., 1958  
ARDA TOMLINSON McMULLAN, B.Mus.Ed., Arkansas State College, 1957  
JOHN CALVIN McMULLAN, B.Mus.Ed., Arkansas State College, 1955  
FRED WAYNE OMER, B.Mus.Ed., Murray State College, 1953  
KAREN LEE PRITCHARD, A.B., Albion College, 1961  
ARLIN LEE RICE, B.S., Eastern Illinois University, 1957  
HUGH WARNER SOEBBING, B.S., Quincy College, 1953  
NANCY JOY STOWELL, B.S., State University of New York Teachers College (Fredonia), 1958  
CHARLES EDWARD TRAYLOR, B.S., Illinois State Normal University, 1957  
DENNIS DEAN WINDLER, B.Mus., Illinois Wesleyan University, 1958  
CHARLES REHM WINKING, B.S., Quincy College, 1957

*In Nuclear Engineering*

CYRUS HALL ADAMS, A.B., Princeton University, 1961  
LYNN BOYD BRIDWELL, B.S., Murray State College, 1961  
WILLIAM ALLEN GOODWIN, B.S., Northwestern University, 1961  
DAVID ARCHER MILLER, B.S., 1961  
ROBERT HENRY NORMAN, B.Ch.E., University of Minnesota, 1961

*In Physical Education*

PATRICK JOSEPH BIRD, B.S., 1961  
STANLEY ROBERT BUEHRER, B.S., Ohio Northern University, 1959  
JEAN S. CIONE, B.S., Eastern Michigan University, 1953  
DAVID ROBERT COOPER, B.S., Illinois College, 1953  
CHARLES BENNETT CORBIN, B.S., University of New Mexico, 1961  
PAUL WILLIAM DEESE, A.B., Whittier College, 1961  
DAVID LANCE ENGERBRETSON, B.S., Macalester College, 1958  
ROGER JOHN HAHN, B.S., Illinois Wesleyan University, 1961  
WILLIAM ROBERT HENDERSON, B.S., 1959  
DELORIS JOAN MIKESSELL, A.B., Eastern Washington College of Education, 1957  
PAUL ANGELO MOLE, B.S., 1960  
JOHN WILFRED MURRAY, B.S., Ed.M., 1951, 1957  
DONALD LAWRENCE PAPE, B.S., Southeast Missouri State College, 1954  
BARBARA CAROL PASSIKOFF, B.S., Brooklyn College, 1961  
WILLIAM JOHN PENNY, B.S., Brooklyn College, 1961  
JOHN WILLIAM RADER, A.B., Bridgewater College, 1961  
DON HOWARD RAPP, B.S., Ball State Teachers College, 1961  
MICHAEL ARTHUR SHERMAN, B.S., State University of New York Teachers College (Cortland), 1961  
JAMES RICHARD SLAGLE, B.S., 1954  
CAROL ANN THOMPSON, B.S., A.B., Otterbein College, 1961, 1961  
RAYMOND LOUIS WELSH, A.B., Hunter College of the City of New York, 1961  
EDWARD ARTHUR WREN, B.S., University of Maryland, 1958

*In Physics*

LEE ALAN CLAYBERG, A.B., Bradley University, 1960  
RANDALL BRYANT DAGIS, B.S., 1961  
STANLEY OAKMAN KENNEDY, B.S., University of Michigan, 1956  
NICK KOKKOTAKIS, Diploma, University of Athens, 1959  
WILLIAM JOHN KUBITZ, B.S., 1961  
JOHN JOSEPH OHSLUND, B.S., 1961  
GRAYSON HOWARD WALKER, B.S., University of North Carolina, 1961

*In Physiology*

AVON LEO ARBO, JR., B.S., Aurora College, 1960  
DONALD MORTON MILLER, A.B., 1960  
BRENT COLE SEAGER, B.S., Michigan State University, 1958

*In Recreation*

- FRANCIS COLIN COATES, Diploma, University of Otago, 1957  
THOMAS LESTER GOODALE, B.S., State University of New York Teachers College (Cortland), 1961  
WALTER CARL JOHNSON, JR., B.S., 1958  
STANLEY LABANOWICH, B.P.H.E., University of Toronto, 1958  
ERIC LEVY, B.S., 1959  
JOSEPH JOHN PETROSINO, B.S., State University of New York Teachers College (Cortland), 1961  
WILLIAM CURRIE SINGLETARY, JR., A.B., University of North Carolina, 1961  
MARGARET ANN TURNER, A.B., B.P.E., McMaster University, 1958, 1959

*In Sanitary Engineering*

- DONALD EVERETT ALTON, B.S., 1959  
LARRY WAYNE CANTER, B.Eng., Vanderbilt University, 1961  
MRIGANKAMOULI GHOSH, B.Tech., Indian Institute of Technology, 1959

*In Speech Correction*

- DONALD DEAN BATTS, B.S., Southern Illinois University, 1959  
DELORES LILLIAN KELLY, A.B., St. Francis College, 1933

*In Teaching of Biological Sciences and General Science*

- DOROTHY KATHRYNE HALL, A.B., Augustana College, 1943; Ed.M., 1959  
REXFORD JOHN JOSLIN, B.S., Wisconsin State College (Oshkosh), 1960  
RICHARD GEORGE MELINDER, B.S., 1960  
DIANE MERLE PRATER, A.B., Carthage College, 1961  
EDWIN ARTHUR RESCHKE, B.S., 1961

*In Teaching of Geography*

- GLENN SMITH PATE, B.S., Western Kentucky State College, 1955

*In Teaching of Mathematics*

- KENNETH GERALD BROWN, B.S., 1961  
ANGELA FARINELLI CASTALDI, A.B., Clark University, 1946  
ROBERT JOSEPH KRAJEWSKI, B.S., 1961  
RICHARD EDGAR WOLFE, A.B., Gettysburg College, 1954

*In Teaching of Physical Sciences*

- RONALD JOSEPH FISHER, A.B., Johns Hopkins University, 1961

*In Theoretical and Applied Mechanics*

- DONALD EDWARD CULLEN, B.S., 1961  
JEROME EDWARD JOBARI, B.S., 1960  
JOHN ALVA NEAL, B.M.E., Georgia Institute of Technology, 1961  
THOMAS EDWARD SMITH, JR., B.S., 1961

*In Veterinary Medical Science*

- JAMES EDWARD FITZGERALD, B.S., D.V.M., 1953, 1955  
RAMESH CHANDRA PATHAK, B.V.S., M.V.S., Agra University, 1951, 1959

*In Zoology*

- DONALD LEE BATCH, B.S., Illinois College, 1960  
CHARLES JULIUS ENGBRETSON, B.S., Wisconsin State College (Oshkosh), 1960  
ANN VAUGHAN HOLMES, A.B., 1959  
BENNETT CLAY MOULDER, B.S., Eastern Illinois University, 1956  
ROBERT WILLIAM PEARSON, B.S., 1950  
SONIA JEAN RINGSTROM, B.S., 1959

*Degree of Master of Music*

- EDNA DEAKYNE BROWN, B.Mus., 1961  
ERIC LIONEL DALHEIM, B.Mus.Ed., B.Mus., Baldwin-Wallace College, 1954, 1955  
LOYD ARNOLD GOLD, B.Mus., New England Conservatory of Music, 1954  
ROBERT BRUCE KUZMINSKI, B.Mus.Ed., 1961

**Degree of Master of Education**

ALICE GREENBERG ADELMAN, A.B., Roosevelt University, 1957  
ALEXINE SHAHAN ALLEN, A.B., 1956  
EUGENE MARTIN ANDERSON, B.S., Illinois State Normal University, 1958  
MARILYNN ROBINSON ANDERSON, B.S., North Dakota Agricultural College, 1958  
FLORENCE MARTIN ANTHONY, B.S., Jackson State College, 1957  
JOANN MAUDE LOCK ARNETT, B.S., Ball State Teachers College, 1960  
JAMES EDWARD ARNHOLT, B.S., Eastern Illinois University, 1960  
JOANNE MAGIRL ARNOLD, A.B., Illinois Wesleyan University, 1959  
LOUIS DELBERT AUDI, B.S., 1951  
BEVERLY SUE BARD, B.S., University of Wisconsin, 1959  
RUTH LONG BARTLESON, A.B., Augustana College, 1952  
WILLIAM HARDIN BATTERSHELL, B.S., 1937  
CAROL ELAINE TRIMBLE BEAZLY, B.S., Illinois State Normal University, 1959  
JAMES LEO BECKER, B.S., 1961  
EDWARD JOHN BEHM, B.S., 1954  
JOHN GORDON BIDNER, B.S., 1958  
EDWARD ELDON BLACK, B.S., Southern Illinois University, 1956  
EARL RICHARD BONER, B.S., Illinois State Normal University, 1958  
JEAN MARIE BORG, B.S., Illinois State Normal University, 1950  
BARBARA LEE BOULTINGHOUSE, A.B., Asbury College, 1959  
GOODMAN TAYLOR BRADLEY, A.B., Olivet Nazarene College, 1958  
MARILYN HELEN BREIDING, B.S., 1957  
ROSA FLOWERS BROOKS, B.S., Tuskegee Institute, 1957  
ANN JENNINGS BRUNK, A.B., Wheaton College, 1959  
ALICE BURGE, B.S., Illinois State Normal University, 1956  
ELMO JACKSON BUSH, A.B., McKendree College, 1959  
GENEVIEVE BYLINOWSKI, B.S., Northern Illinois University, 1953  
JOHN MARQUIS CAMPBELL, B.S., Illinois State Normal University, 1958  
HARRY LEE CARLSON, B.S., Eastern Illinois University, 1952  
JANET WEIDNER CARLSON, B.S., 1954  
LOIS JEANNE CARMODY, B.S., 1949  
BEVERLY BEEKLER CARRINGTON, B.S., Eastern Illinois University, 1951  
CLEVELAND HAYWOOD CHANDLER, Ph.B., Xavier University, 1941  
MARY LOUISE CHAPMAN, A.B., Millikin University, 1958  
ERNEST ARTHUR CIMO, JR., B.S., Eastern Illinois University, 1957  
DORIS BAUGH CLEMENTS, A.B., St. Augustine's College, 1958  
C. LORAINNE KUYKENDALL CLEVELAND, B.S., 1959  
JANE COLE, B.S., 1959  
WADE CYRENE COLLIER, B.S., Southern Illinois University, 1953  
TREVA CLAYTON CRATSENBERG, A.B., Marycrest College, 1953  
TERESA MATHEWS CRAYNE, A.B., Swarthmore College, 1958  
LUCILLE BENCK CURRAN, A.B., University of Colorado, 1950  
NOREEN YOCUM CUSEY, B.S., Illinois State Normal University, 1958  
CHARLES FRANCIS DEANY, B.S., Northern Illinois University, 1959  
WILLIAM EUGENE DEARWORTH, B.S., 1959  
IRENE VIRGINIA DICKINSON, B.S., Pennsylvania State College (Mansfield), 1951  
MARY PAULINA DINMORE, A.B., Brown University, 1951  
JOHN ROBERT DOSIER, A.B., McKendree College, 1955  
LEVI HOLLIS DOZIER, B.S., Bishop College, 1953  
DANIEL GEORGE DRABIK, A.B., Wabash College, 1948  
MARGARET HAYNES DUNCAN, A.B., College of St. Francis, 1955  
PATRICIA ALICE DUNPHY, A.B., Loyola University, 1958  
RONALD GEORGE EISENBARTH, B.S., Western Illinois University, 1957  
CARL RICHARD EK, A.B., 1958  
MARY ANNE ELSON, B.S., 1958  
MAE JEAN ENGEN, B.S., 1949  
KAY VIRGINIA ENT, A.B., 1958  
RONALD CHARLES ETHERTON, B.S., Purdue University, 1959  
ROBERT HARRY EVANS, A.B., McKendree College, 1958  
VIRGIL ALFRED EWING, A.B., Greenville College, 1955  
WILFRED HENRY FAULKNER, B.S., Northern Illinois University, 1954  
VICTOR MORTON FUNK, B.S., 1950

IRENE ELIZABETH GABOR, B.S., 1960  
RUFUS MCKINLEY GANT, JR., B.S., Hampton Institute, 1950  
MARY JANE GARDINER-ATKINSON, B.S., 1958  
CARL SUMNER GORSLIN, A.B., Olivet Nazarene College, 1959  
EUNICE MULLEN GREEN, B.S., Alcorn Agricultural and Mechanical College, 1956  
MAUDE THORNTON HALL, B.S., Illinois State Normal University, 1944  
JACK EVAN HANDLEY, B.S., Illinois State Normal University, 1956  
RODNEY FRED HANSON, B.S., 1958  
RONALD VERN HARMAN, B.S., Concordia Teachers College, 1955  
BERTHA PARKER HARRIS, B.S., Alcorn Agricultural and Mechanical College, 1933  
JEROME LOUIS HAYWOOD, B.S., Illinois State Normal University, 1959  
JOSEPH CARL HAZELBAKER, A.B., Harding College, 1958  
FRANCIS NORMAN HELD, A.B., Milligan College, 1956  
CAROLYN DRESSBACK HENEBRY, B.S., Illinois State Normal University, 1959  
GORDON GERLACH HILL, B.S., 1951  
LOWELL FRANCIS HILLEN, B.S., 1957  
FRANCES J. HINOS, A.B., Elmhurst College, 1960  
CARLA CHRISTINE HOLMGREN, B.S., Iowa State University, 1960  
CORALEE DENNIS HOLT, B.S., 1960  
PEGGY JO HONN, B.S., 1958  
EM ELLEN SPOONER HOOVER, B.S., University of Georgia, 1938  
LEO CARL HUFFMAN, B.S., Bradley University, 1950  
ROBERT ANTHONY HUNDLEY, JR., A.B., Illinois College, 1954  
GLADYS HATHAWAY HUSSONG, B.Ed., Southern Illinois University, 1943  
GLADYS LUCILLE PARKER JACKSON, A.B., Augustana College, 1943  
MARY ALICE HENNESSY JACOBS, B.S., 1960  
DARLENE MARION JELINEK, B.S., Eastern Illinois University, 1955  
FRED EDWARD JOHNSON, B.S., 1960  
ROSALIE YUVONNE JOHNSON, B.S., Eastern Illinois University, 1957  
MAUREEN LAIR JONES, A.B., University of Michigan, 1958  
MARY CECILIA JOYCE, B.S., Illinois State Normal University, 1956  
CHARLES MARVIN KIMBLE, A.B., McKendree College, 1952  
MICHAEL GENE KIMMEL, B.S., Illinois State Normal University, 1954  
NANCY CASTEL KING, B.S., Millikin University, 1959  
JAMES LEE KOCH, B.S., Greenville College, 1957  
MARCELLA GERTRUDE KORT, B.S., University of Wisconsin, 1958  
JOAN ELIZABETH KUMLER, B.S., Illinois State Normal University, 1959  
RAYMOND LEWIS LAMBERT, JR., B.S., 1961  
TERRYL ARDEAN LASH, B.S., 1959  
LAWRENCE MICHAEL LAVIN, B.S., Kansas State College (Pittsburg), 1956  
MARY FRANCES LAVIN, B.S., 1956  
JANE ELLEN LAWDER, B.S., Southern Illinois University, 1958  
MELVIN JOSEPH LEVIN, B.S., Southern Illinois University, 1958  
SAMUEL JOSEPH LICOCCHI, B.S., Illinois State Normal University, 1957  
FRANK MICHAEL LIPOUSKY, B.S., Eastern Illinois University, 1956  
DORRIS CATHERINE LIPPETT, B.S., 1957  
MYRA KING LOCKETT, B.S., Jackson College, 1953  
JOHN TIMOTHY MADDEN, B.S., Quincy College, 1957  
HELEN RUTH MARTIN, A.B., Marycrest College, 1948  
BARBARA BOEKER MASTEN, B.S., Western Illinois University, 1958  
IONA MAE MASTEN, B.S., Illinois State Normal University, 1944  
SHELTON CLARENCE MAYES, B.S., Western Illinois University, 1955  
MARVIN LEE ROY McDONALD, B.S., 1958  
MARY RITA KANE MCGUIRE, B.S., Illinois State Normal University, 1950  
MARTHA ANNE MICHAEL, A.B., Knox College, 1960  
CARL LARSEN MIDJAAS, A.B., A.M., Southern Illinois University, 1958, 1959  
MARION OWENS MILBRANDT, B.S., St. Cloud State Teachers College (Minnesota), 1940  
CLARENCE MELVIN MILLER, B.S., Western Illinois University, 1951  
ROBERT JAMES MILLER, B.S., University of Missouri, 1955  
ROBERT LEE MILLIGAN, B.S., 1955  
ROBERT JUNIOR MILLS, B.S., 1950  
MAURICE DWIGHT MOBLEY, B.S., 1957

- GILBERT LEON MOULTON, A.B., Harding College, 1957  
KATHRYN L. MOTT NELSON, A.B., Marycrest College, 1954  
FRANCES ANN NESSLER, B.S., Quincy College, 1960  
WILLIAM GEORGE NEUBAUER, B.S., Illinois State Normal University, 1958  
RICHARD PAUL NIEDVARES, B.Ed., Chicago Teachers College, 1958  
PAULINE MAY NIZIOLKIEWICZ, B.S., Eastern Illinois University, 1957  
WILLIAM WILBUR NOLTE, A.B., North Central College, 1935  
THOMAS EDWARD O'DRISCOLL, B.S., Quincy College, 1956  
JANET RUTHERFORD PAGE, B.S., 1959  
RAYMOND ALLAN PAGE, B.S., 1957  
CLARENCE EDWARD PARK, B.S., Arkansas State College, 1958  
STEVE LEROY PAVLIK, B.S., Illinois State Normal University, 1959  
RUSSELL WARNER PEARCE, JR., B.S., Illinois State Normal University, 1954  
ERTHA TURNER PERRYMAN, B.S., Lincoln University, 1957  
JOHN EDWARD PETERSON, B.S., 1951  
JOHN VINCENT PETERSON, A.B., 1959  
BETTY BALLOU PHELPS, B.S., Western Illinois University, 1947  
JAMES RICHARD PING, B.S., Illinois State Normal University, 1958  
CORNELIA RANDLE POOL, A.B., McKendree College, 1960  
KATINA MAE POULOS, A.B., Washington University, 1960  
ANNE CAROLYN PROCK, B.S., College of St. Francis, 1956  
WILLIAM FRANCIS PUCKETT, A.B., Eureka College, 1954  
ROBERT LOWELL PURLEE, A.B., Monmouth College, 1955  
ELIZABETH LOUISE QUERY, B.S., Western Illinois University, 1956  
CAROL KATHRYN REITZ, B.S., Southern Illinois University, 1958  
JANET MARY RELOS, A.B., Rosary College, 1954  
LOUISA RUTH REPLOGLE, B.S., Western Illinois University, 1956  
ETTA MAE HARRIS RICHMOND, A.B., Lincoln University, 1953  
FREDERICK ALEXANDER RODGERS, B.S., Fayetteville State Teachers College (North Carolina), 1960  
COLEMAN ARTHUR ROGERS, B.S., Eastern Nazarene College, 1959  
BARBARA ANN WOLF ROGNESS, B.S., Illinois State Normal University, 1951  
JUDITH MARIA ROUDEZ, B.S., 1961  
JEANNETTE LYNN RUTHERFORD, B.S., Southern Illinois University, 1960  
JOHN ERNEST SABALASKEY, B.S., 1958  
LETA MAUDE SANDERSON, A.B., Illinois College, 1949  
JOHN JOSEPH SANSFIELD, B.F.A., School of the Art Institute of Chicago, 1959  
MARGARET ELIZABETH SAUER, B.S., 1951  
RAYMOND JULES SCARCE, B.S., 1950  
JACOB SCHLENKER, JR., B.S., Illinois State Normal University, 1950  
FREDERICK WILLIAM SHERMAN, B.S., Concordia Teachers College, 1954  
MARTHA OBERMARK SIMPSON, B.S., Southern Illinois University, 1947  
DONALD EARL SMITH, B.S., 1959  
EVANGELINE PHILLIPS SMITH, B.S., Wheaton College, 1955  
HAROLD ARTHUR SMITH, B.Ed., Wisconsin State College (Whitewater), 1959  
LUCY EDNA SMITH, B.S., Alabama State College, 1955  
WARREN GEORGE SMITH, B.S., Wisconsin State College (Superior), 1948  
WILLIAM RAY SNYDER, B.S., University of Texas, 1959  
MABEL LOGUE STANNARD, B.Ed., Northern Illinois University, 1942  
GERTRUDE LUEDKE STEFFEN, B.S., Illinois State Normal University, 1960  
ALBERT STEVENS, B.S., Western Illinois University, 1951  
MARY PARKER STILLWELL, B.S., 1957  
GEORGE WILLIAM STEIN, B.S., Pennsylvania State University, 1938  
RICHARD ALLEN STURGEON, B.S., Greenville College, 1956  
ALAN NOEL SWANSON, A.B., 1958  
CAROL JANE SWARTZ, B.S., Purdue University, 1958  
ALICE WICKISER TAYLOR, B.Ed., Eastern Illinois University, 1940  
PAUL EDWARD THORNBURGH, B.S., Illinois State Normal University, 1958  
THOMAS NATHAN TIPSWORD, A.B., 1950  
MURIEL HERRON TITUS, B.S., Purdue University, 1956  
RAYMOND RICHARD TORRY, B.S., Illinois State Normal University, 1955  
ELEANOR STASELL TUCKER, B.S., Illinois State Normal University, 1957  
ESTHER TANNER TURLEY, B.S., Southern Illinois University, 1952



ANNA WAGNER VOGT, B.S., Northwestern University, 1952  
 NEWMAN ARTHUR VOSBURY, B.Ed., University of Miami, 1953  
 ELAINE FRETTE WALTERS, B.S., 1942  
 GEORGIA M. WALTON, B.S., Northwestern University, 1953  
 PAUL DUANE WASSER, B.S., Western Illinois University, 1958  
 JOE KEITH WASSON, A.B., Monmouth College, 1958  
 ROBERT WALLACE WATSON, A.B., McKendree College, 1949  
 MILDRED LEFFLER WEAVER, B.S., Southern Illinois University, 1950  
 LYLE SHERMAN WESSELS, B.S., 1952  
 LEE DUVALL WEST, B.S., 1959  
 CHARLES ALLEN WHITE, A.B., 1954  
 RHEA OLIVE FOX WICKISER, B.S., Eastern Illinois University, 1958  
 GARY EUGENE WIDMAR, B.S., Illinois State Normal University, 1958  
 MELVIN CURTIS WIGGINS, A.B., Alcorn Agricultural and Mechanical College, 1933  
 SYLVESTER LEE WILHELMI, B.S., Iowa State University, 1951  
 ESTHER AMY WILLIAMS, A.B., Ottawa University, 1961  
 ROSS GLEASON WILSEY, JR., A.B., 1954  
 GRACE MARIE WILSON, B.S., Western Illinois University, 1953  
 LEONARD MILNES WINANS, B.S., 1961  
 LOUISE BARGER WISE, B.S., Millikin University, 1955  
 DONALD WILLIAM WOODARD, B.S., 1950  
 BARBARA MAE SAXON WYNE, B.S., Illinois State Normal University, 1953  
 ROBERT ANTON ZANELLO, B.S., Illinois State Normal University, 1959

#### **Degree of Master of Social Work**

THEODORA MURIEL JOHNSON, A.B., DePaul University, 1957

#### **Degree of Master of Fine Arts**

##### *In Design*

ALBERT FYMAT, Diploma, Ecole Nationale Supérieure des Arts Decoratifs, 1961

##### *In Landscape Architecture*

RAYMOND FREDERICK CAIN, B.F.A., 1960

#### **Degree of Master of Architecture**

MICHAEL DENIS FLYNN, B.Arch., Catholic University of America, 1957  
 ROBERT ALAN FORRESTER, Diploma, Glasgow School of Architecture, 1961  
 BAL BASWANT PHATATE, B.Arch., Maharaja Sayajirao University of Baroda, 1959

#### **Degree of Master of Accounting Science**

JAMES EDWARD BUNCHER, B.S., 1961  
 BRACK WILLIAM DUKER, B.S., 1961  
 RICHARD ERVIN GEORGE, JR., B.S., 1961  
 CLINTON NATHAN JETMORE, JR., A.B., University of Maryland, 1961  
 DONALD DUANE KAIN, A.B., Augustana College, 1961  
 WILLIAM NELSON KASSEN, B.B.A., University of Texas, 1959  
 CARL WILLIAM KRELL, B.S., University of Wyoming, 1957  
 HAROLD RICHARD MURPHY, B.S., 1961  
 ROBERT JEROME NEFF, B.S., Southern Illinois University, 1961  
 ROBERT THOMAS REHWALD, B.S., University of Pennsylvania, 1960  
 WILLIAM BRADFORD SAWTELL, B.S., 1961  
 RONALD JOSEPH SZWEDA, B.B.A., University of Notre Dame, 1961

#### **Degree of Master of Laws**

FLETCHER NATHANIEL BALDWIN, JR., A.B., LL.B., University of Georgia, 1958, 1961  
 DELLAS WAYNE LEE, LL.B., University of British Columbia, 1959

#### **Degree of Master of Television**

JORIS DANIEL HOEREE, Graduate, Dominican House of Studies  
 GEORGE EDWARD TOLES, JR., A.B., Wheaton College, 1961  
 ANDRE ALFONS TRUYMAN, Graduate, Dominican House of Studies

**Advanced Certificate***In Education*

GALE ROBERT BALLARD, B.S., Southern Illinois University, 1948; M.S., 1950  
 ETHEL AMES BLYTHE, B.S., Eastern Illinois University, 1960; Ed.M., 1960  
 LOREN CLYDE BROWNING, B.Ed., Southern Illinois University, 1940; A.M., 1944  
 MARY ANN DILLER, A.B., MacMurray College, 1945; A.M., 1948  
 DONALD DORRIS DILLOW, B.S., Ed.M., 1949, 1957  
 JAMES ROBERT DYER, B.S., Washington University, 1955; A.B., Harris Teachers College, 1958; A.M., Teachers College, Columbia University, 1959  
 MARGARET KRAFT EGAN, B.S., Illinois State Normal University, 1952; Ed.M., 1955  
 OHREN NELSON FILE, B.S., Greenville College, 1939; M.S., 1951  
 JAMES ANDREW FROWEIN, B.S., M.S., Western Illinois University, 1951, 1958  
 MILDRED MAE GILMORE, B.S., Bradley University, 1938; Ed.M., 1960  
 CLINTON SAMUEL HAGEMANN, A.B., Elmhurst College, 1949; Ed.M., 1952  
 JOHN FRANKLIN HARTWIG, JR., B.S., Ed.M., University of Missouri, 1957, 1958  
 CATHERINE LEE HASENMYER, B.S., Greenville College, 1952; M.S., 1957  
 MERLE ROMAYNE HILGENDORF, A.B., Valparaiso University, 1950; Ed.M., 1953  
 GUY RAYMOND JONES, B.S., Ed.M., 1956, 1957  
 BERT WALTER NORDBERG, B.S., Ed.M., 1956, 1957  
 HAZEL LUCILLE O'CONNER, A.B., A.M., Bradley University, 1953, 1957  
 LOIS LAVONE ROMIG, B.S., A.M., 1942, 1949  
 ANN JANET STINE SCHMIDT, B.S., Maryland State Teachers College, 1955; Ed.M., 1960  
 PHILIP ALLAN YOUNG, B.S., Eastern Illinois University, 1950; M.S., 1959

**COLLEGE OF AGRICULTURE****Degree of Bachelor of Science***In Agriculture*

JACK DEAN DECKER	CHARLES ANDERSON HOLLOWELL
GEORGE GERALD DOERING	RICHARD LEE KRESSE
LEONARD LEE EDDINGS	OWEN NORMAN MATZ, JR.
LOWELL THOMAS FROBISH	ROLLIN DEAN STROHMAN, Honors
DUANE EDWARD HANING	CLARENCE EARL WALTER

*In Home Economics*

JANET NELSON CHARD	ROSALIND ANN RHODA
BOBETTE SCHROTBERGER ECKLAND,	FATMA HANDAN SACIR
High Honors	JOAN RAPP SUNDSTEDT
MURIEL GARVIN PETROWICH	

*In Home Economics Education*

CHARLOTTE FIDDER HOSKEN

*In Restaurant Management*

ROGER ADOLPH GROTH

**COLLEGE OF ENGINEERING****Degree of Bachelor of Science***In Aeronautical and Astronautical Engineering*

KENNETH EUGENE KRZYZEK

*In Agricultural Engineering*

JOHN EDWARD JOLLEY

*In Civil Engineering*

RONALD THOMAS ANDERSON	RICHARD BERNT FRIES
GEORGE JAMES BATEK	JACK HARDIN
JAMES FREDERICK BAUMANN	GROVER WALLACE HASTINGS
ALBERT JOHN BERGAMIN	HENRY CURTIS MARTIN
ROY BERNARD BUCKNER	JOHN WAUTERLEK
MILLARD WILLIAM CRIPE, JR.	MICHAEL EDWARD WINTER
EDWARD PATRICK DELorenzo	RICHARD FRANK ZICcarelli

*In Electrical Engineering*

DENNIS ROBERT CHAMBERLIN	VIRGIL MARTIN MONEY
RICHARD JON EHRLMAN	JAIRO NARANJO ROJAS
RODNEY DWIGHT ELMORE	MATTHEW JAMES NAZARIAN
KINGSLEY O'DONALD FRAY	GEORGE NELMS
TAI-KEUNG FU	ROBERT NELMS
JOSEPH WILBERT GERHARDT	ROMANUS OGBONNA OHUCHE
JOSÉ GRANES SELLARES, Highest Honors	WILFRED CHARLES SCHUEMANN
STEVE BRIAN HELLER	DONALD WINFIELD SIBREL, Honors
JOHN BRADLEY KING	JOEL SLUTZKY
ROY WILLIAM KLEIN	KAM CHUEN So, High Honors
JOHN KENNETH LACOST	NED MUNGER SPENCER
RONALD EDWIN LARSON	JOHN LAWRENCE STAHLKE, Honors
THAC PHU MAC	DALIA TERESE STAKE
LARRY NOBUKATSU MATAYOSHI	JAMES PATRICK TURZER
JAMES FRANCIS MCARDLE	ROBERT EUGENE WARREN
DENNIS RICHARD MIGALA	JOSEPH THOMAS YURAVICH, Honors
WILLIAM GUY MILLER	

*In Engineering Mechanics*

THOMAS GEORGE HOWELL	ELMER EUGENE REIS, Jr.
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*In Engineering Physics*

JOHN GRANT BERGMAN

*In General Engineering*

RONALD DAVID DUCLOS	STANLEY ALLAN MAYER
JACKIE RAY FARO	EUGENE WALLACE PARRY
RALPH THEODORE HOCKING	ARTEMUS WILLIAM PULFORD, Jr.

*In Industrial Engineering*

STEPHEN DAVID BERRY	WILLIAM ALOYSIUS REICHART
RICHARD ALLEN BROCK	RONALD ALAN SANDLER

*In Mechanical Engineering*

MANUEL JOSÉ ALVAREZ ARANGO	RAYMOND WILLIAM KOTRBA
AUGUSTO ARIAS GÓMEZ	JULIO PALACIOS TOBÓN
JOHN FRANCIS BRADY	STEVE PHILLIPS, Jr.
GUILLERMO BUESO	THOMAS GABOR REDEY
FRANCIS RICHARD FAIRLAMB	JAMES WARNER RICE
LEE RAYMOND FRANDSEN	RONALD MATHEW SPATZKE
CHARLES LEON FREDERICKSON, Honors	RUSSELL AXEL STARKMAN
JAMES WILLARD HAMMOND	RALPH EDMUND DALE STEWART, Honors
DONALD LEE KELLY	JAMES EUGENE VAN REENEN

*In Metallurgical Engineering*

FRANK JEROME MAJESKE	JOSEPH WILLIAM PHEBUS
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## COLLEGE OF LIBERAL ARTS AND SCIENCES

## Degree of Bachelor of Arts

*In Liberal Arts and Sciences*

WILLIAM LLOYD ALLEN	JENIFER MOBERLEY CARTWRIGHT
HADLEY PHILIP ARKES, Honors in Liberal Arts and Sciences with Highest Distinction in Political Science	KENNETH JAMES CHERRY
JUDY SONN ARKES, Honors in Liberal Arts and Sciences	LINDA JEAN CREAMER, Honors in Liberal Arts and Sciences
STANLEY GORDON BARNETT	JUDITH CHARLENE DOUGLAS
TAYLOR HARVEY BELL	WAYNE LEE DOWNS
ELENA BEREZALUCE	HARRY DONALDSON DYER
CATHERINE MARIE CANAN, Honors in Liberal Arts and Sciences with High Distinction in History	WILLIAM KENT EVANSON
	ALAN RICHARD FELDMAN
	FRANCINE MAE FRIEDMAN
	CLIFFORD IRVING GANAN
	ALAN HARRY GOSSARD

JAMES THOMAS HADDON, Honors in Liberal Arts and Sciences

ELIZABETH ANNE HAMPEL

MILTON THOMAS HANSEN

JUDITH ANDRADE HILL

LAWRENCE WILLIAM HOMER

HARRY LEROI HUBBARD

DAVID VERNON IRISH

ELLEN MCFARLAND JOHNSON, Honors in Liberal Arts and Sciences

JANET ELAINE JOHNSON

ADAM WALTER KAMASKE

GARY GEORGE KERMER

RONALD FREDRIC LANTZ

ANGELA ZERDAVIS LASK, Honors in Liberal Arts and Sciences

JUDITH ANN MATHEWSON

SUSAN JEAN McLAUGHLIN

ROGER ALLEN MEYER

MARTIN ALLEN MINOW

JAMES JOHN MOCKFORD

PATRICIA GEARY NICOLL

RUTH OLSON NICOLL

EDWARD LAWRENCE ORLEANS

JUDITH ANN PABIN

ROBERT LOUIS PAGEL

BAIBA PAULINS

ELBA CENAL PELLECCIA

MY CHUONG PHAN

BEBE IDYL PRITAM

DAVID OVERBY ROLSTON

KENNETH HERMAN ROWEN

SOLEIMAN MOHAMMED TARBAAH

ROBERT LEE VAN DYKE, Honors in Liberal Arts and Sciences

CELINE FOSTER WALKER

ALICE JOHNSON WEBBER

THOMAS ANTHONY WEIMER

ALTON JOHN WILLIAMS

NORDIC RICHARD WINCH

STEPHEN LEE YARBROUGH

WANDA LILLIANN ZIELINSKI

#### *In the Teaching of English*

JUDITH OAKWOOD ADAMS

BARBARA LEE BODEN

MARIANNA YOUNG LEWIS, Honors in Liberal Arts and Sciences

HARRIET STEMME MAYBERRY

DORIS JEAN POGUE

FREYA JUDITH SHAPIRO

#### *In the Teaching of Latin*

GAIL DEMIK LAURENZO, Honors in Liberal Arts and Sciences

#### *In the Teaching of Spanish*

NANCY RORER SHEELY

#### *In the Teaching of Speech*

BEVERLY HALL SWANSTROM, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

### Degree of Bachelor of Science

#### *In Chemical Engineering*

RALPH ELMER LINDEMANN

WILLIAM GORDON LUSSIE, Honors in Liberal Arts and Sciences

#### *In Chemistry*

WILLIAM ADDISON SCOTT III, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

ARTHUR WILLIAM STRUSS

#### *In Liberal Arts and Sciences*

PHILIP CATALANO

KENNETH ROBERT CONKLIN, Honors in Liberal Arts and Sciences with Distinction in Mathematics

PATRICK EDWARD DAWSON

SANDRA BEATRICE DRIBIN

ANNETTE KAY HASKETT

WILLIAM CHARLES HEISER

SAMUEL LERNER

NATHAN MARION LOFTON, JR.

IRENA LEIPUS MARKVALDAS

JAMES EDWARD MARTIN

FRANK ERLING NESS

ROBERTA PEKLEY

NIJOLE JASENAS POPIUS

DIANA ANNA RADYS

ROBERT KEVIN RICE

ROY SILVERSTEIN, Honors in Liberal Arts and Sciences

STEPHEN DENNIS SPARKS

ROBERT FRANCIS TOBINSKI, Honors in Liberal Arts and Sciences

RICHARD RAY VAN DER LINDEN

LOURENS HERMANUS VAN NIEKERK

KENNETH MARTIN VISTE, JR., Honors in Liberal Arts and Sciences

SHARON KAY VITZTHUM

ROBERT ALLEN ZEBELL

*In Physics*

ANDRAS MIKLOS BARDOS, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum

*In Speech Correction*

BARBARA THELMA ABBIT

*In the Teaching of the Biological Sciences and General Science*

MARIE PANSY TONELLI, Honors in Liberal Arts and Sciences

*In the Teaching of Chemistry*

JOHN WILLIAM LAMPE

*In the Teaching of Mathematics and the Physical Sciences*

PATRICIA CRAMER PULFORD, Honors in Liberal Arts and Sciences

**COLLEGE OF LAW****Degree of Bachelor of Laws**

RALPH DELANO BEAL, A.B., 1959

PETER JOHN NOVAK, A.B., 1961

CHESTER JOSEPH CROSS

MARTIN RUDMAN

TERRY ORVILLE HELMICH, A.B., 1960

WILLIAM ANTHONY THUMA, Jr., A.B.,

JAMES TERRY MCCOLLUM, B.S., 1956

Beloit College, 1959

**COLLEGE OF EDUCATION****Degree of Bachelor of Science***In Education*

BENJAMIN FRANKLIN CAPLINGER III

WILLIAM FRANK FIERKE

WILLIAM REID KEEFFER

LEONA FRIDEMORE MCCARREY

ALAN MICHAEL SCARNAVACK

*In the Education of Mentally Handicapped Children*

AUDREY JOHNS

MARCIA ELIZABETH PRESSMAN

GERALDINE RIO PAGEL

*In Elementary Education*

GRACE WRIGHT BENNETT

NANCY BEE LOVE

GLADYS DAVIS BOOTH

GLORIA MASS

DORIS ROYALTY BROWN

BARBARA HIATT MCCORMICK

RUBY LORENE BROWN

MARTHA SANDUSKY MERRITT

JANE AUSTIN COMBES

ADRIENNE MARILYN MILLER

DAVID DALE DUMBAUGH

THERESA MARIE NAVILIO

PATRICIA ANN ESTERLING

ANITA KNUDSEN NORDAHL

JUDITH LYNNE FOSTER, High Honors

BETTY HENDRIX PRUITT

VERNA MAE GODMAN, Honors

NANCY JANE SQUILLER

LYNN LEE FURNALL GRAHAM

NELLIE MARDIE STONE

SHARON ANN HOCHSTETTLER

HELEN MITCHELL VIGIL

MABLE KELLER KENNEDY

JUDITH ANN WAGNER

CONSTANCE ANN KONRAD

JOHNNY LEE WATERMAN

*In Industrial Education*

DANIEL CHARLES MERENKOV

DONALD LESLIE NEWMAN

**COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION****Degree of Bachelor of Science***In Accountancy*

THOMAS FRANCIS ARIENS

JOSEPH WALKER ENGLAND, Honors

GEORGE WASHINGTON BURROUGHS

WALTER ROBERT GINTHER

JAY HAROLD CHAPMAN

NORMAN THOMAS JONES

HOWARD GORDON KAPLAN, High Honors  
HENRY MARTIN KLAUSMAN, High

Honors

RUSSELL STANLEY KOSS  
JONE JURATE KREGZDE  
ROBERT SHERWIN KROCKEY  
HARRIS NASUTION  
WILLIAM L. NOTHMAN  
STAFIOEDIN OESMAN  
RASIDI  
DAVID IRA ROSENTHAL

RICHARD CLAUDE SMILGOFF  
R. SOEBAGJO  
R. OSKAR SOERJA ATMADJA  
DAVID PETER STEVENSON  
JOSEPH JOHN STOFFEL  
JOHN ROBERT STUCKEY  
SUMANTRI SUMODIRONO  
LARRY RAY TINBERG  
RONALD JOSEPH VAN THYNE  
JACK EUGENE WARNER  
DAVID LEE YOUNG

*In Economics*

PASQUALE MICHAEL BENEDETTO  
ROGER JEFFREY GREEN  
PAUL JOHN MARTIN

STEPHEN DOUGLAS ROYER  
LAWRENCE GEORGE SEBASTIAN

*In Finance*

STUART MINOR LOCKWOOD  
LEON RICHARD TORBECK  
THOMAS ALLAN TURLEY

MICHAEL WEXLER  
CAROLYN ANNE WILSON

*In Industrial Administration*

RICHARD ALLEN BURKHOLDER

ROBERT ARTHUR JURS

*In Management*

RAYMOND WALTER BURHOP  
WILLIAM JOHN DRAGOZETICH  
GERALD EDWARD HUDSON

JAMES WARREN HUFFMAN  
CLARENCE RONALD SPRECHER

*In Marketing*

DUNCAN BROWN COOPER III  
RAYMOND LESTER DINGER  
RICHARD ELLSWORTH EDDY  
JUANITA KAY JACOB  
CATHERINE LEAS KLIK

ROY ALDEN RODGERS, Honors  
ALBERT MELVIN SMITH  
CHARLES RIGGS SPROWL, JR.  
JOSEPH FRANCIS SZEKELY  
FRANK WILLIAM WAHLSTROM

**COLLEGE OF JOURNALISM AND COMMUNICATIONS**

**Degree of Bachelor of Science**

*In Communications*

RICHARD BERNAL  
BETTY RAYE CONTORER  
GARY LEE DANNA  
DONALD GARFIELD  
JAMES VINCENT GILL  
MARY ELLEN GODDARD  
JOSEPH DAVID KESTNBAUM, Honors  
HEI CHU KIM

DONALD EUGENE KING  
DENNIS ALBERT KLAY  
MICHAEL JOSEPH KUTCHINS  
PATRICIA RUTH MURPHY  
CLAUDETTE ESTHER GUSTAVA OLSON  
WILLIAM ARTHUR STEPHENSON  
HELEN LOUISE SUDDER  
JAMES JOSEPH ZLOGAR

**COLLEGE OF FINE AND APPLIED ARTS**

**Degree of Bachelor of Architecture**

RICHARD BORRESON COOK  
ROBERT JOHN EARLE

JON JOEL EWIGLEBEN  
JAY MICHAEL LEAVITT

**Degree of Bachelor of Fine Arts**

*In Advertising Design*

JOAN DEANNE ANDERSON, Honors  
RICHARD WALTER GRIESE  
EDWARD LEE HAYES  
ROBERT WILLIAM PELKOWSKI

EUGENE WARREN SAGERMAN  
SANDRA SEFANSKY, Honors  
TOM ARTHUR SNYDER

*In Art Education*

JOANN KATZ FARLEY  
 CYNTHIA ESTHER HOSKEN  
 NANCY LANGHAM KNAPP, Highest  
 Honors

ANTHONY JOSEPH SEMINERIO  
 CAROL SORKIN

*In Industrial Design*

RANDALL PETER BUHK  
 FREDERICK FAY DRESBACK  
 DONALD HENRY GREGOR

DONALD KENNETH KRUMIN  
 ROBERT WALTER YACKEL

*In Landscape Architecture*

DANIEL HENDERSON BABBITT

*In Painting*

LOUIS GEORGE ARONSON  
 KEN WALTER GATZKE, Honors

DAVID EDWARD WAHLGREN  
 JOANNE IKE WILSON, Honors

*In the History of Art*

BARBARA AINSLIE SCHICK

**Degree of Bachelor of Music**

DONALD MELVIN COLLINS  
 KATHRYN JEANNE CORBIN

DAVID HAROLD MOSKOVITZ, High  
 Honors

**Degree of Bachelor of Science***In Architectural Engineering*

DONALD WILFRED KNUDSON

*In Music Education*

EDDIE KEITH ALLEN  
 KAREN DOUGHTY BYRNE  
 JOHN WILLIAM LEMAN  
 DUANE CLARE LUNDEEN

KENNETH ROBERT MARSHALL, Honors  
 DEAN MARABLE WADE  
 TOMMY HOWARD WARDLOW

**COLLEGE OF PHYSICAL EDUCATION****Degree of Bachelor of Science***In Physical Education*

JERRY VERNE CURLESS

JACQUELINE ELLEN TIETSPORT

*In Recreation*

SUZANNE MARTIN EIGEL  
 ALYCE MOY GEE

MARTHA FORSYTH THOMAS  
 RICHARD SHERWOOD WALBAUM

**DIVISION OF SPECIAL SERVICES FOR WAR VETERANS****Degree of Bachelor of Science**

VIRGIL WILLIAM BURGESS

**COLLEGE OF VETERINARY MEDICINE****Degree of Bachelor of Science***In Veterinary Medicine*

JOHN BRUCE ARENSMAN

**EXECUTIVE SESSION**

On motion of Mr. Dilliard, an executive session was ordered for consideration of the following reports and recommendations on land acquisitions and other business relating thereto.

### PURCHASE OF PROPERTY AT 406 EAST CHALMERS STREET, CHAMPAIGN

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the property at 406 East Chalmers Street, Champaign, Illinois, at a price of \$27,000.

The property consists of a lot 51.5 feet by 116.24 feet and is improved with a three-story and basement rooming house and garage. The improvements will eventually be removed and the property will be part of the site for construction of the next residence hall for single graduate students, scheduled to begin in the fall of 1963.

The sale price is within the appraisals and has been reviewed with the Buildings and Grounds Committee.

Possession will not be later than September 1, 1963, and taxes will be prorated.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

I concur.

On motion of Mr. Swain, the purchase of this property was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

### PURCHASE OF PROPERTIES

(2) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the following properties at the prices and on the terms indicated in each case:

204 North Romine Street, Urbana.....\$16 000

The property consists of a lot 52 feet on Romine Street and 82 feet deep and is improved with a two-story and basement frame dwelling. The dwelling will eventually be removed and the land will be part of an area for a new Civil Engineering Building. Possession will be delivered not later than October 1, 1962, and taxes will be prorated.

The sale price is within the appraisals received by the University.

1105 West Illinois Street, Urbana..... 35 000

The property consists of a lot 65 feet on Illinois Street by 150 feet deep and has a two-story and basement frame residence and a remodeled garage used as apartments.

107 South Gregory Street, Urbana..... 28 000

The property consists of a lot 60.10 feet on Gregory Street by 143.88 feet deep and is improved with a two-story frame residence and garage.

109 South Gregory Street, Urbana..... 24 250

The property consists of a lot 60.10 feet on Gregory Street by 143.88 feet deep and is improved with a two-story and basement frame dwelling.

The improvements on the above three properties will be removed and the land will be used to replace parking facilities which will be discontinued when construction of the Illinois Street Residence Halls is started. Possession will be delivered not later than October 5, 1962, and taxes will be prorated.

While the sale prices of these three properties are in excess of appraisals secured by the University, it is believed that they can not be reduced through further negotiations. However, because of the cost of condemnation proceedings, the loss of time in litigating such cases and the uncertainty as to decisions which might be reached, it has been concluded that such procedure would not be warranted in acquiring these properties.

Funds for the purchase of the properties at 107 and 109 South Gregory Street, Urbana, are available from the proceeds of sale of Housing Revenue Bonds or from Housing Division Reserves. Funds for the purchase of the properties at 1105 West Illinois Street and 204 North Romine Street are available in the state appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.



Actions on the foregoing recommendations were taken separately as to the property at 204 North Romine Street, Urbana, and the three properties on West Illinois Street and South Gregory.

On motion of Mr. Pogue, purchase of the property at 204 North Romine Street, Urbana, at a price of \$16,000 was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

On motion of Mr. Pogue, purchase of the properties at 1105 West Illinois Street, Urbana, 107 and 109 South Gregory Street, Urbana, at the prices indicated was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### CONSTRUCTION OF PARKING LOTS IN THE VICINITY OF THE ILLINOIS STREET RESIDENCE HALLS

(3) With construction of the Illinois Street Residence Halls in the area between Illinois Street, Lincoln Avenue, Green Street, and Goodwin Avenue, Urbana, automobile parking facilities in that general area now providing approximately 310 spaces, designated as temporary, will be discontinued. These spaces are primarily used by residents of the Single Graduate Student Residence Halls on Green Street and of the Student-Staff Apartments on Green Street and Goodwin Avenue, with some use by academic staff and University visitors.

As the result of studies made, the following replacement program is recommended:

	<i>Number of Spaces</i>
1. Improve lots at 107 and 109 South Gregory Street and at 907 West Green Street for rental at a rate of \$5.00 per month to occupants of the Graduate Student Residence Halls (56 and 46 spaces, respectively).....	102
2. Retain in the existing lot approximately 140 spaces and rent these spaces at a rate of \$5.00 per month to occupants of the Student-Staff Apartments....	(140)
3. Improve for rental at a rate of \$5.00 per month to occupants of the Student-Staff Apartments, until the start of construction of the Faculty Club, the present property at 1110 West Illinois Street (25 spaces).....	25
4. Improve and install parking meters on two lots at 1109 and 1111 West Illinois Street (capacity, 62 spaces) for rental at a rate comparable to charges in municipal parking lots to academic staff, and if these spaces are not fully occupied, open them to visitors.....	62
5. Improve the two lots at 1103 and 1105 West Illinois Street for academic staff use on a free basis, and retain approximately 62 spaces in existing permanent lots in the immediate area for rent to academic staff at the annual rental rate of \$60.00 per year.....	62
<i>Total</i> .....	251

The above program will leave a net loss of sixty parking spaces.

It is estimated that the total cost of improvements to provide these parking facilities will be approximately \$41,000.

Funds are available for the construction from the proceeds of sale of Housing Revenue Bonds or from Housing Division Reserves. Income from the parking meters and rentals will be used to retire the cost of capital improvements to remove existing houses, garages, etc., and construction.

Bids for the recommended improvements will be received on October 3, 1962, and in order to complete the work prior to the time construction starts on the Illinois Street Residence Halls, it is necessary to start construction of the new parking areas as soon as possible thereafter.

Accordingly, it is requested that the Executive Committee of the Board meet as soon as feasible after opening the bids to act on recommendations for awards

of these contracts. (Subsequently, it was agreed by all members of the Executive Committee that October 5 would be a convenient date for this meeting.)

I concur in the foregoing recommendations.

On motion of Mr. Swain, these recommendations were approved, and the Physical Plant Department was authorized to proceed with the implementation of this program of improvements.

The Board reconvened in public session. There being no further business, a recess was taken for luncheon and an informal speaking program.

#### POST LUNCHEON SPEAKERS

Dean Stanley C. Robinson of the Division of University Extension addressed the Board on the operations of Allerton House and the programs of the Division which are carried on there.

Mr. Walter M. Keith, Professor of Landscape Architecture and Director of Allerton Park, reported on the operation of the Park.

Professor Donald G. Smith of the Department of Agricultural Economics also addressed the Board, reporting on the operations of the Allerton Farms, which are under the management of the Department and under his immediate supervision, and the income from which is used for the maintenance of Robert Allerton Park.

Dean Robinson introduced other members of the staff of the Division of University Extension and of Allerton House: Professor Norman W. Johnston, Director of Allerton House, Eugene H. Schroth, Assistant Director of Allerton House, and Mr. Hugh Davison, Extension Specialist in Charge of Short Courses and Conferences.

#### MEETINGS OF BOARD COMMITTEES

Meetings of the Committees on General Policy and on Buildings and Grounds were held beginning at 1:30 p.m., following adjournment of the Board.

On motion of Mr. Pogue, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

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**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**October 17, 1962**



The October meeting of The Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, October 17, 1962, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner and Mr. George T. Wilkins were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. C. Caveny, Assistant to the President, Chicago Office, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel; and the officers of the Board, Mr. C. W. Weldon, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

**REPORT OF THE EXECUTIVE COMMITTEE**

The Secretary submitted a report of the Executive Committee of its actions at a duly called meeting held on October 5, 1962.

**MEETING OF THE EXECUTIVE COMMITTEE**

On call of the Chairman, a meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held in the Illini Center, LaSalle Hotel, Chicago, Illinois, on Friday, October 5, 1962, beginning at 2:00 p.m.

The following members of the Committee were present: Mr. Howard W. Clement, Chairman, Mr. Wayne A. Johnston, Mrs. Frances B. Watkins. Also present were Mr. Timothy W. Swain, Member of the Board, Comptroller H. O. Farber, Director C. S. Havens of the Physical Plant, Mr. James J. Costello, Legal Counsel, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, and Mr. A. J. Janata, Secretary of the Board.

The Committee considered the following reports and recommendations submitted on behalf of the President of the University, and took the actions indicated.

**CONTRACTS FOR CONSTRUCTION OF PARKING FACILITIES**

(1) The Board of Trustees has approved a program for the construction of automobile parking facilities on properties either now owned by the University, or which the University is acquiring, in the vicinity of the Graduate Student Residence Halls on Green Street, and the Student-Staff Apartments on Green Street and Goodwin Avenue in Urbana, to replace parking facilities on the site of the Illinois Street Residence Halls.

Bids on the construction of the new parking facilities, according to the program approved by the Board, including demolition of structures on ten properties, were received on October 3. Submitted herewith is a report from the Physical Plant Department on the bidding, and a copy is being filed with the Secretary of the Board for record.

As reported to the Board, funds are available in Housing Division reserves which will be advanced to finance this project, and will be repaid from the income from the rentals of parking spaces.

It is therefore recommended that a contract be awarded to the Champaign Asphalt Company, Champaign, in accordance with its total firm lump sum price of \$48,972.45, with the right reserved to delete any division to which the University is not given possession within the required time, or is not vested with title satisfactory to the University Legal Counsel.

On motion of Mr. Johnston, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mrs. Watkins; no, none; absent, none.

**LITIGATION INSTITUTED BY DONALD VREULS**

(2) The University has recently been named as an additional defendant in a suit originally filed against the city of Champaign in the Circuit Court of Champaign County (No. 61 L 347) by Donald Vreuls and his wife. The complaint alleges that Mr. Vreuls sustained injuries on May 30, 1961, during the progress of a water fight between numerous students of the University of Illinois and seeks recovery therefor from both the City and the University. The Legal Counsel states that in his opinion the University should resist the claim and the jurisdiction of the Circuit Court over the University in this proceeding. He requests that the Board of Trustees authorize him to take appropriate action to oppose and defend the claim in all respects, and to employ such special legal counsel as he may deem necessary or desirable to assist him in connection therewith.

The President of the University concurs.

On motion of Mrs. Watkins, authority was given as requested.

## PURCHASES

(3) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The President of the University concurs.

*Chicago Colleges and Divisions*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One spectrofluorometer and accessories consisting of one power supply, twelve quartz cells, one cell adapter, and one calibration unit	Aeromedical Laboratory	Farrand Optical Co., Inc., New York, N.Y.	\$ 3 466 00 delivered
One spectrophotometer and accessories consisting of one monochromator, one lamp housing, one power supply unit, one sample changer, and one indicator unit	Clinical Research Center	W. H. Kessel & Co., Chicago	4 980 00 delivered
Modernization and updating of one model 314X Tri-carb spectrometer to make it equal to current model 314EX-1	Radiology	Packard Instrument Co., Inc., La Grange	4 800 00 delivered

*Urbana-Champaign Departments*

Printing of 3,000 copies special mosaic soil map of Johnson County, Illinois	Agronomy	National Survey Co., Chester, Vt.	4 040 40 f.o.b. delivered
One fermentor drive assembly complete with bath heaters, stainless steel filters, and continuous adjustable speed regulation; the equipment will be used for mass growth of micro-organisms under controlled conditions in research on the biosynthesis of protelus by the Biochemistry Division of the Department of Chemistry and Chemical Engineering	Chemistry and Chemical Engineering	New Brunswick Scientific Co., Inc., New Brunswick, N.J.	3 935 00 f.o.b. delivered
One lot of laboratory apparatus including two spectrophotometers and accessories, thermometers, solution bottles, vials, pipette assemblies, blenders and magnetic stirrers for stock in the General Chemical Store-room	General Chemical Stores	Schaar Scientific Co., Chicago	5 967 80 f.o.b. delivered
Plexiglass, sheet, rod and tube, assorted for stock	General Chemical Stores	Cadillac Plastic Co., St. Louis, Mo.	3 002 32 f.o.b. delivered
Print and fold 35 issues, 2,700 copies per issue, "Channel 12 Newsletter" for the period October 15, 1962, through October 14, 1963	Television-Motion Pictures	Quality Service Press, Mansfield	2 621 50 f.o.b. delivered
400 cases napkins, paper, size 12 in. x 13 in., packed 12,000 per case	Office Supply Storeroom	Westervelt Paper Co., Inc., Decatur	4 800 00 f.o.b. delivered
400 cases tissue, cellulose, sanitary cleansing, white, size 8½ in. x 9½ in., 36 boxes per case, 400 single sheets per box (estimated twelve-month supply)	Office Supply Storeroom	Doeskin Products, Inc., New York, N.Y.	2 747 24 f.o.b. delivered
Paper pads, writing type, 100 sheets each, as follows: 2,000 lbs. 3 in. x 5 in., white, not ruled 2,000 lbs. 4 in. x 6 in., white, not ruled 1,000 lbs. 5½ in. x 8½ in., white, not ruled 10,000 lbs. 8½ in. x 11 in., white, not ruled 6,000 lbs. 8½ in. x 11 in., canary, not ruled 100 gross 8½ in. x 11 in., white, ruled 100 gross 8½ in. x 11 in., canary, ruled	Office Supply Storeroom	W. M. Putnam Co., Bloomington	7 711 00 f.o.b. delivered

On motion of Mr. Johnston, these purchases were authorized.

On motion of Mr. Johnston, the Committee adjourned.

A. J. JANATA

*Clerk*

WAYNE A. JOHNSTON  
FRANCES B. WATKINS  
HOWARD W. CLEMENT

*Chairman*

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**

The Board took up consideration of the following reports and recommendations from the President of the University.

**PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

During this presentation, Mr. Ajit Prasad Jain, Member of Parliament of India and Chairman of the Board of Management of the Uttar Pradesh Agricultural University in India, who is an official guest of the University of Illinois this week, was introduced and invited to stay for the Board meeting. He was accompanied by Dr. Royden Dangerfield, Dean of Administration and Director of International Programs at the University.

**BIENNIAL OPERATING BUDGET FOR 1963-65**

(1) The estimates of state appropriations required for operations for the University during the biennium of 1963-65 are submitted herewith. These budget estimates have been prepared by the Executive Vice-President and Provost in consultation with the University's budget Committee<sup>1</sup> of which he is Chairman, and with the deans, directors, and other administrative officers. The estimates prepared by the colleges and institutes and other departments of the University have been carefully studied, revised, and in most cases substantially reduced. The University Council has also been consulted.

I recommend that these budget estimates be approved for filing with the State Department of Finance and for presentation to the state administration and all other state agencies involved in budget procedures.

President Henry then discussed the recommendations in the several categories of the budget estimates. Supporting statements were made by Executive Vice-President and Provost Lanier and Vice-President and Comptroller Farber.

Mr. Williamson reported that the Finance Committee and several of the other Trustees in a special work session had previously studied the budget recommendations in consultation with the President and other University officials and that the Committee was prepared to support the recommendations as submitted.

Following the presentations by the President and other University officials, and further discussion, on motion of Mr. Williamson the following budget was approved, and the President of the University was authorized to file it with the State Department of Finance and for presentation to the state administration and all other state agencies involved in budget procedures; and the President of the Board, the Chairman of the Finance Committee, and the President of the University were authorized to represent the Board in conferences with state officials concerning the budget.

This action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

<sup>1</sup>Lyle H. Lanier, Executive Vice-President and Provost, Chairman; Herbert O. Farber, Vice-President and Comptroller; Norman A. Parker, Vice-President for the Chicago Undergraduate Division; Joseph S. Begando, Vice-President for the University of Illinois at the Medical Center; Frederick T. Wall, Dean of the Graduate College (Ex Officio Members); A. T. Malinosky, Assistant Professor of Accountancy, Chicago Undergraduate Division; J. Nelson Young, Professor of Law; James A. Yaeger, Assistant Professor of Histology, Medical Center (from the Senates); Gerald M. Almy, Professor of Physics and Associate Head of the Department; Robert W. Rogers, Professor of English and Head of the Department; O. Burr Ross, Professor of Animal Science and Head of the Department (from the faculty at large); Royden Dangerfield, Associate Provost and Dean of Administration; Gustav J. Froehlich, Director of the Bureau of Institutional Research (Staff Associates).

## BIENNIAL BUDGET FOR OPERATIONS, 1963-65

## Present Budget

The biennial budget of the University of Illinois includes only those funds that are appropriated by the General Assembly. These legislative appropriations are called "General Funds," and for the current biennium they will account for approximately 62 per cent of the University's expenditures for all purposes. The following is a breakdown of the 1961-63 biennial budget, showing the two sources of General Funds and their allocation over the two years of the biennium:

<i>Source of Funds</i>	<i>1961-62</i>	<i>1962-63</i>	<i>1961-63 Total</i>
General Revenue (Tax) Fund.....	\$63 500 000	\$66 200 000	\$129 700 000
University Income Fund.....	7 528 000	7 528 000	15 056 000
<i>Total</i> .....	<i>\$71 028 000</i>	<i>\$73 728 000</i>	<i>\$144 756 000<sup>1</sup></i>

In addition to these General Funds, the University receives financial support in the form of gifts, grants, and contracts from many outside sources, including the federal government, private foundations, industry, and individual donors. Furthermore, the University operates various auxiliary enterprises that are largely self-supporting, such as residence halls, the union building, and bookstores. The income from these various sources represents about 38 per cent of the funds expended annually by the University. Since the use of such funds is limited to designated purposes, they are called "Restricted Funds" and do not require appropriation by the General Assembly.

The following table presents a comparison of expenditures of the two types of funds, for the two fiscal years of the present biennium:

	<i>1961-62</i>	<i>Per</i>	<i>1962-63</i>	<i>Per</i>
	<i>Amount</i>	<i>cent</i>	<i>Amount</i>	<i>cent</i>
General Funds.....	\$ 71 028 000	63	\$ 73 728 000	62
Restricted Funds.....	42 063 231	37	44 989 410	38
<i>Total</i> .....	<i>\$113 091 231</i>	<i>100</i>	<i>\$118 717 410</i>	<i>100</i>

From the two foregoing tables it can be seen that *state-tax funds* account for only about 56 per cent (\$66,200,000) of the total of expenditures anticipated by the University in 1962-63. University income provides an additional 6 per cent (\$7,528,000), to bring the appropriation of General Funds to 62 per cent (\$73,728,000) of the over-all total.

Based upon figures for 1961-62, annual expenditures for the main types of University operations are approximately as follows, in terms of percentages:

- 39 per cent for instruction (mostly General Funds)
- 29 per cent for research (mainly Restricted Funds)
- 11 per cent for extension and public service, exclusive of Research and Educational Hospitals (about equally divided between General and Restricted Funds)
- 8 per cent for Research and Educational Hospitals (mainly General Funds)
- 13 per cent for self-supporting auxiliary enterprises and student aid (Restricted Funds)

These percentages reflect both the direct and the indirect costs of the indicated functions. That is to say, the expenses of administration, retirement benefits, library, and physical plant have been allocated to the several classes of operations, approximately in proportion to their respective direct costs.

The average cost of *undergraduate* instruction in 1961-62 was \$1,162 per student for the Urbana-Champaign campus and \$1,068 for the Chicago Undergraduate Division (two-year program only). The unit costs of graduate and professional education are considerably higher, but these students constitute less than 25 per cent of the total enrollment. It is estimated that the average over-all

<sup>1</sup> All figures in this statement include funds for the Police Training Institute, for which a separate appropriation was received in 1961-63. Since the budget for the Institute will be included in the University's regular operating appropriation for 1963-65, the Institute's budget for 1961-63 has been consolidated here with that of the University in order to facilitate comparisons of the two sets of biennial figures.



cost per student for *all types* of on-campus instruction in 1961-62 was slightly more than \$1,400.

Special attention is called to the fact that the Research and Educational Hospitals in Chicago require about 8 per cent of the University's income for operations. Only an eighth of these costs is offset by fees collected from patients—a situation quite different from that in certain other major universities whose hospitals are entirely self-supporting. A similar item is the provision of funds for the Division of Services for Crippled Children—\$1,778,180 for 1962-63—within the University's regular budget for operations. It is important to recognize these components of the University's budget, since the latter is sometimes compared with those of other institutions, without knowledge or recognition of the differences due to the inclusion of heavy items for public-service activities in its legislative appropriations.

#### Preparation of the Biennial Budget Requests for 1963-65

The biennial budget requested for 1963-65 is based upon recommendations made by the University Budget Committee, an all-University committee appointed by the President. The Executive Vice-President and Provost serves as chairman and the other members include the Vice-President and Comptroller, the Vice-President for the University of Illinois at the Medical Center, the Vice-President for the Chicago Undergraduate Division, the Dean of the Graduate College, the chairmen of the budget committees of the Senates on the three campuses, and three members-at-large.

The preparation of the biennial budget covered a period of approximately six months, beginning in the spring of 1962. The work began with a general request from the Chairman of the University Budget Committee addressed to deans, directors, and general administrative officers concerning the general conditions to be faced by the University during the biennium 1963-65. Estimates of enrollment were provided to all instructional departments and administrative officers, together with information concerning existing instructional loads and trends since 1954. All departments and divisions were requested to submit estimates of funds needed to handle increased enrollment, to meet the costs of operating new buildings, to overcome deficiencies in staff and expense budgets for current levels of operation, and to provide funds for essential improvements in academic programs.

The analysis of needs and the development of budget estimates for 1963-65 presented unusual difficulties and uncertainties. Principally, these related to the expected opening of the new campus at Congress Circle in September, 1964—an opening date that has been assumed in the preparation of the 1963-65 budget request. One set of problems concerned the estimation of the dates of completion of the new buildings and of the time required to get them into condition for occupancy by the scheduled opening date. More difficult, however, was the prediction of enrollment at the new campus where students in the Chicago Undergraduate Division will be able for the first time to complete their work for baccalaureate degrees. There was also the related uncertainty as to what concurrent changes in enrollment might occur at the Urbana-Champaign campus, since no definitive basis existed for estimates of how the Urbana-Champaign enrollment would be affected by the opening of the new campus. Enrollment predictions were nevertheless made by the Bureau of Institutional Research, and the figures adjusted by the Budget Committee in the light of departmental estimates and of the availability of office, laboratory, and classroom space. The latter was calculated by the Central Office on the Use of Space and the Space Planning Office of the Physical Plant Department. It was assumed that the new campus at Congress Circle would have adequate facilities for the expected enrollment if construction could be completed by September, 1964.

The Budget Committee gave careful attention to various proposals for salary increases, and attempted to estimate the extent of salary improvement that would be necessary to maintain the position of the University of Illinois among comparable universities in the United States. The increasing competition from other universities and that from industry in certain fields were important considerations in this study.

When the University Budget Committee had completed its budget recommendations, they were submitted to the President of the University. After review by the President, the proposed biennial budget was presented for ap-

praisal to the University Council, consisting of the deans and directors of all administrative units. In the light of the Council's advice, the President submitted his recommendations to the Board of Trustees for action.

#### Summary of Biennial Budget Requests for 1963-65

Including increases required by law and those required to maintain the present level of expenditure, the requests for additional funds submitted by the deans and directors, plus the increases for salary adjustments recommended by the Budget Committee, totaled \$40,286,808 for the biennium. This figure is slightly lower than the over-all increase requested for 1961-63 (\$41,144,325). Considering that less than 50 per cent of the latter amount was finally appropriated for 1961-63, and the fact that an extraordinary increase will be required for the Congress Circle campus in 1964-65, the total of increases requested by the deans and directors for the biennium 1963-65 is a relatively moderate one.

Nevertheless, in the effort to hold the 1963-65 budget to a level required to meet urgent needs, the biennial increase finally proposed to the General Assembly is some 20 per cent below the figure representing the original college and departmental requests. As shown in Schedule A (below), an increase of \$31,044,000 above the appropriations for 1961-63 (an average of \$15,522,000 per year) is requested by the University for the biennium of 1963-65. This represents an increase of 21 per cent over the amount appropriated for the current biennium. The total is \$175,800,000 in General Funds for 1963-65, \$15,500,000 of which would come from University income and the remainder of \$160,300,000 from the tax revenues of the state.

Special attention is called to the sharp increase in operating costs for the second year of the biennium (1964-65), mainly due to the opening of the new campus at Congress Circle. The increases for the latter are shown separately in Schedule A, and it can be seen that it will be necessary to add \$3,590,000 in 1964-65 for that purpose alone. In addition, the sum of \$3,000,000 is requested for further salary adjustments for the staff on all three campuses in 1964-65, and \$360,000 additional for the operation of new buildings completed at Urbana-Champaign for use in 1964-65. Thus the requested biennial budget of \$175,800,000 would be divided between the two years of the biennium as follows: \$84,425,000 for 1963-64; \$91,375,000 for 1964-65. It is important for future planning to record that the difference of \$6,950,000 would have to be added to the total appropriated for the biennium 1965-67 in order to continue in that biennium the level of operations reached during the second year of the biennium 1963-65.

In the following pages, detailed explanations are given for the increases requested under each of the major sections in Schedule A (below). Later sections present analyses of the funds requested in accordance with the object classifications required under the State Finance Act, including the special breakdowns required by action of the Seventy-second General Assembly.

#### Schedule A. Increases Requested in the 1963-65 Biennial Budget

(All amounts are for two years except as noted.)

	<i>Recommended Increases</i>
I. Contributions to University Retirement System.....	\$ 742 900
II. To Continue for a Full Biennium Funds Required for One Year Only in the 1961-63 Biennium.....	2 700 000
III. Salary Adjustments for All Staff:	
A. 1963-64 (for two years).....	9 000 000
B. 1964-65 (for one year).....	3 000 000
IV. To Provide for Increased Enrollment in 1963-64 (for two years):	
A. Instructional Staff (Urbana-Champaign and Medical Center)	2 740 000
B. Nonteaching Staff, Expense, and Equipment	
1. Urbana-Champaign and Medical Center.....	2 060 000
2. Congress Circle.....	1 000 000
V. To Provide for Increased Enrollment in 1964-65 (for one year):	
A. Instructional Staff (Congress Circle).....	1 770 000
B. Nonteaching Staff, Expense, and Equipment (Congress Circle).....	1 230 000

	<i>Recommended Increases</i>
VI. To Meet Increased Cost of Operation:	
A. Operating Costs of New Buildings in 1963-64 (for two years) (Schedule B, page 176)	
1. Urbana-Champaign and Medical Center.....	\$ 1 571 100
2. Congress Circle.....	1 000 000
B. Operating Costs of New Buildings in 1964-65 (for one year) (Schedule B, page 176)	
1. Urbana-Champaign and Medical Center.....	360 000
2. Congress Circle.....	590 000
C. Increases to Maintain Present Level of Services	
1. Increases in Expense and Equipment to Meet Rising Costs and Accumulated Deficiencies.....	1 500 000
2. Increases in Auxiliary Staff to Meet Accumulated Deficiencies (Schedule C, page 177).....	1 073 000
VII. Improvements in Educational Programs.....	707 000
<i>Total Increases</i> .....	\$ 31 044 000
<i>Present Biennial Budget</i> .....	144 756 000
<i>Proposed Biennial Budget</i> .....	\$175 800 000

#### Fund Distribution

	<i>General Revenue</i>	<i>Income Fund</i>	<i>Total</i>
Present Budget.....	\$129 700 000	\$15 056 000	\$144 756 000
Increase.....	30 600 000	444 000	31 044 000
Proposed Budget.....	\$160 300 000	\$15 500 000	\$175 800 000

#### Explanation of Increases Requested

#### I. CONTRIBUTIONS TO UNIVERSITY RETIREMENT SYSTEM.....\$ 742 900

The University Retirement System provides disability and retirement benefits to all permanent staff members and employees of the University, of all other state institutions of higher education, and of related organizations. The University of Illinois' share of the cost of the System is included regularly in its appropriations. An increase of \$742,900 for the biennium is required to continue the benefits provided under the law, mainly because of the larger number of persons who will be on retirement.

#### II. TO CONTINUE FOR A FULL BIENNIUM FUNDS REQUIRED FOR ONE

##### YEAR ONLY IN THE 1961-63 BIENNIUM.....\$ 2 700 000

For the current year of the biennium 1961-63 the University's budget as appropriated by the General Assembly included \$2,700,000 for increases in 1962-63 above the level for 1961-62. This is shown on page 165 where the budget from General Revenue funds for 1961-62 is given as \$63,500,000 while that for 1962-63 is \$66,200,000. More money was required in the second year of the biennium due to increased enrollment and to further salary adjustments. This is the kind of difference discussed above concerning the larger budget requested for 1964-65 due to the occupancy of the new campus at Congress Circle and to further salary adjustments for the second year of the biennium.

The increase of \$2,700,000 is necessary to enable the University to continue throughout the biennium 1963-65 the level of expenditures reached during the second year of the current biennium.

#### III. SALARY ADJUSTMENTS FOR ALL STAFF

##### A. 1963-64.....\$9 000 000

##### B. 1964-65.....\$3 000 000

*Academic Staff.* The University's original request for salary increases in the last biennium (1961-63) totaled \$14,600,000, an amount judged to be necessary to enable the University to retain its present staff and to recruit additional faculty in the face of the increasing heavy competition from other universities and from industry. The total finally appropriated, \$8,650,000, was only 59 per cent of the amount requested. Although considerable improvement in salaries was made possible by the increased appropriation, it was barely sufficient to enable the

University to hold its own in the face of increasingly sharp competition for high-quality academic personnel.

The overriding condition that faces the University of Illinois, as well as other institutions of higher education, is a sharp increase in enrollment at a time when the supply of adequately-trained college teachers has shown a relative decline. In part, this has been due to increasing competition from noneducational occupations; but it has been due also to the fact that the 1930's and the following war years had a relatively low birth rate. This has meant a relative deficiency of candidates for the teaching profession at a time when college enrollments have been steadily rising and when they soon will begin to accelerate at an even sharper rate due to the postwar jump in the birth rate. In addition, a steadily-rising proportion of high school graduates is seeking admission to college.

The situation at the University of Illinois in the competition for faculty will be unusually difficult because of the large increase in staff required for the new campus at Congress Circle. In addition, substantial increases in graduate enrollment at Urbana-Champaign will cause increased demand for instructors in advanced courses, especially in the physical sciences and engineering. It would be especially unfortunate in these circumstances if the University were not in position to compete successfully for faculty of high quality. The increases requested for salary improvement should enable the University to hold its own among other comparable institutions; it will probably not permit any gain in standing, and certainly little if any improvement relative to other professions.

*Nonacademic Staff.* The Director of Nonacademic Personnel has urged strongly that funds be provided to enable the University to meet the continuing increase in prevailing rates as established by collective bargaining within the community, and also to maintain the University's competitive position as regards other categories of nonacademic personnel. So far as possible, an equitable relationship must be maintained between the wages that are determined through negotiation and the salaries and wages for other groups.

Of special importance are the salaries of administrative and managerial personnel, as well as those in certain technical categories, where competitive forces outside the local community influence salary scales. The University must maintain its competitive position or else lose highly-skilled personnel to other universities and to industry.

The opening of the new campus at Congress Circle in Chicago will result in a sharp expansion of nonacademic divisions, which in turn will require that the University keep pace with prevailing wage and salary scales if its recruitment is to be successful.

#### IV. TO PROVIDE FOR INCREASED ENROLLMENT IN 1963-64

*A. Teaching Staff* ..... \$ 2 740 000

As in the biennium 1959-61, enrollment at the University of Illinois for the biennium 1961-63 exceeded considerably the estimates on which the biennial appropriations for increased enrollment were based. There was an excess of 500 students in 1960-61 over the expected enrollment, which was absorbed without additional appropriation. In 1961-62, an increase of 1,000 students had been predicted whereas the actual increase was 1,247—some 247 students above the number provided for in the budget. In 1962-63, an increase of 800 students had been anticipated in the biennial budget, but the estimated increase above 1961-62 is approximately 1,100 students—300 above the figure used in budget estimates. For the biennium 1961-63, this means that enrollment increased by about 550 students beyond the estimated total provided for in the biennial budget. Although these increases have been absorbed without budget increases for staff and other costs, this has not been done without creating deficiencies in certain areas, especially in the provision for laboratory expense and equipment in the natural sciences and engineering.

A slight increase in enrollment is expected at the Medical Center campus in 1963-64, mainly in the Colleges of Nursing and Pharmacy. No increase is anticipated at the Chicago Undergraduate Division, since enrollment is now at capacity in the temporary quarters at Navy Pier. A net increase of 1,183 students has been predicted for Urbana-Champaign, distributed as follows: a decline of 255 at the freshman-sophomore level, partly offsetting the surplus noted

for the preceding biennium; an increase of 1,010 at junior-senior level; an increase of 428 at the graduate-professional level.

The estimate of total funds needed has been based on the following standards: freshman-sophomore level, fifteen full-time-equivalent (FTE) students per full-time-equivalent instructor; junior-senior level, twelve full-time-equivalent students per full-time-equivalent instructor; graduate-professional level, seven full-time-equivalent students per full-time-equivalent instructor. Average salaries of \$8,000, \$9,000, and \$10,000 have been assumed for these three levels, respectively, in calculating the salary funds needed. (Since a slight decrease in enrollment is predicted at the freshman-sophomore level, a corresponding deduction was made in arriving at the amount needed.)

**B. Nonteaching Staff, Expense, and Equipment**

1. Urbana-Champaign and Medical Center.....	\$ 2 060 000
2. Congress Circle .....	\$ 1 000 000

It seems desirable to separate the estimate for Congress Circle from that for the other two campuses, in accordance with the breakdown shown in Schedule A (page 167). For 1963-64, the need at Congress Circle is for administrative, technical, and clerical staff that will be needed to plan for the move to the new campus. Heads of departments, for example, will be needed to recruit staff for the increased enrollment expected in 1964-65. Administrative and clerical staff must be added in the Office of Admissions and Records, the Business Office, the Library, and the Physical Plant Department. The total of \$500,000 per year for the two years of the biennium is considerably below the amounts requested by the administrative officers in the various units concerned.

The increased enrollment expected at Urbana-Champaign and at the Medical Center will require substantial increases in nonteaching staff and in expense and equipment budgets. The total requested will cover all kinds of "indirect costs" associated with instruction and with student services. After a careful analysis of the existing relationship between teaching and nonteaching (indirect) costs, it was determined that the latter would be approximately 75 per cent of the former if adequate provision is to be made in the budget for enrollment increases. This figure will be too low if the enrollment at advanced (especially graduate) levels increases disproportionately in the laboratory sciences.

**V. TO PROVIDE FOR INCREASED ENROLLMENT IN 1964-65 OVER THE 1963-64 LEVEL**

**A. Teaching Staff (Congress Circle only).....\$ 1 770 000**

With the opening of the Congress Circle campus in September, 1964, it has been assumed that there will be a drop in *undergraduate* enrollment at Urbana-Champaign, most heavily in the freshman class but also in the junior class which in the past has received a substantial number of transfer students from the Chicago Undergraduate Division. Although lacking relevant data for making definitive predictions in the new situation, the Bureau of Institutional Research estimated tentatively that the over-all decline in undergraduate enrollment at Urbana might be as high as 1,800 students. To offset this drop, however, the Bureau predicted a sharp increase in graduate enrollment that might run to more than 1,400 students. After lengthy study of both sets of predictions, and of the various conditions that might well combine to upset them, it was decided to assume that the two conflicting trends would virtually cancel each other in terms of their net impact upon budgetary requirements. So no additional funds are requested for increased enrollment at Urbana-Champaign in 1964-65. An increase of 100 students was predicted for the Medical Center, but here, too, it was decided not to request increased funds on the assumption that the increases requested for 1963-64 could be utilized so as to meet the needs for the following year.

Admittedly, these assumptions and calculations might turn out to be quite inaccurate, and substantial increases in applications for undergraduate admission might occur at Urbana-Champaign in 1964-65. In that event, the budgetary provision will be seriously inadequate and some limitation upon enrollment might be necessary.

With respect to Congress Circle, it is assumed that there will be an increase of 3,035 students in 1964-65, bringing the total for the new campus to approxi-

mately 7,635 students. It is estimated that 2,335 would be at freshman-sophomore level while 700 would be at junior-senior level. The latter estimate in particular might turn out to be too low, since the offering of degree programs at the Chicago Undergraduate Division might induce many students who now drop out to continue in college until graduation. Furthermore, the number of transfer students might be substantial—a possibility given little weight in the estimates of the Bureau of Institutional Research.

The instructional staff required was determined by the standards indicated above to be 156 full-time-equivalent teachers for freshman-sophomore instruction and 58 for junior-senior instruction. At the assumed average salaries of \$8,000 and \$9,000, respectively, the sum of \$1,770,000 would be needed to provide these salaries for a single year (1964-65).

*B. Nonteaching Staff, Expense, and Equipment (Congress Circle) \$1 230 000*

The amount needed for the nonteaching costs of instruction at Congress Circle in 1964-65 was assumed to be 75 per cent of the instructional-salary costs as determined above—in addition to the physical-plant costs, which are represented by items in section VI of Schedule A (page 168) and are discussed in a following section. The physical-plant costs for the new campus will be substantially higher per student than the present inadequate facilities at Navy Pier. Furthermore the operating costs related more directly to instruction will be higher, when expansion of organization and programs takes place. It has been assumed, therefore, that all three types of budget increases shown for Congress Circle in Schedule A will be necessary to (a) transfer the existing staff and student body to that campus, and (b) to accommodate an enrollment increase of 3,035 students. (The three types of increases relate to teaching staff, nonteaching staff and expenses, and physical-plant costs.) A check on the validity of this assumption is provided partly by a determination of the estimated cost per student under the budgetary and enrollment conditions stipulated for the Congress Circle campus for 1964-65.

The total budget for the Chicago Undergraduate Division in 1962-63 is \$4,900,000. This includes all direct and indirect costs of operations at Navy Pier, but does not include whatever indirect costs might be attributable to the general administrative offices at Urbana-Champaign. With an enrollment of approximately 4,600 students for the current year, the average cost per student is \$1,065.

From the figures shown in Schedule A, a total of \$4,590,000 would be added to the 1962-63 budget for the Chicago Undergraduate Division by 1964-65—to bring the total figure for that year to \$9,490,000. This would include direct costs of instruction, physical-plant costs, and other indirect costs of instruction. With an estimated enrollment of 7,635 students, the average cost per student in 1964-65 would be \$1,243. This is only \$178 per student more than the present per capita cost at Navy Pier. This figure would be somewhat increased by salary increases that might be granted to the existing staff at Navy Pier by 1964-65. Even so, the estimated average cost per student seems quite moderate for the city of Chicago in 1964-65, considering the very substantial expansion in the facilities available and the great improvement in their quality. Furthermore, the facilities to be completed in Phase I at Congress Circle can accommodate an increase possibly to 9,000 students without appreciable increases in physical-plant costs. This would tend to lower the per capita cost, as an offset to salary and other increases in cost of operation.

**VI. TO MEET INCREASED COSTS OF OPERATION**

*A. Operating Costs of New Buildings in 1963-64*

*1. Urbana-Champaign and Medical Center.....\$1 571 100*

The Seventy-first General Assembly appropriated \$48,500,000 for the construction of new buildings and other capital improvements at Urbana-Champaign and the Medical Center campus. Most of these buildings will be completed and occupied in 1963. The costs of operation and maintenance (janitor service, utilities and maintenance, but not the educational programs carried out in the buildings) based upon experience with similar buildings, is estimated to be \$785,550 for 1963-64 or \$1,571,100 for the biennium. The amounts for each building are shown in Schedule B (page 176).

*2. Congress Circle .....\$1 000 000*

The budget request for the operation and maintenance of the new buildings at the Congress Circle campus is based upon the completion and acceptance of the buildings by the University as follows:

Heating Plant — starting up operations during December, 1963

Physical Plant Building — February, 1964

Library — February, 1964

Classroom Clusters — April, 1964

Engineering and Sciences Laboratories — April, 1964

Lecture Center — June, 1964

Staff and Administration — July, 1964

At least thirty days prior to acceptance, University operating personnel will run acceptance tests on the building equipment under the supervision of the architect's staff. This will require that the buildings be supplied with high-temperature hot water, electricity, etc., prior to acceptance, and hence operating personnel for the heating plant must be employed. As soon as the buildings are accepted by the University, moving into the buildings will commence and this will require operating and maintenance personnel, including police service. Heat, light, and power will be the principal item of increase, since starting operations of the heating plant will require electricity, and the entire 12,000-volt University distribution system will have to be tested and put into operation at that time in order to supply the buildings that are approaching completion. The period from December on is the greatest portion of the heating season, requiring maximum use of fuel.

The costs to be incurred at Congress Circle in 1963-64 are estimated to total \$500,000, or approximately one-fourth the annual operating cost of \$2,105,000.

#### *B. Operating Costs of New Buildings in 1964-65*

1. Urbana-Champaign and Medical Center.....\$360 000

The remainder of the buildings provided from the capital appropriation will be completed by July, 1964, and will require operating expenditure of \$360,000, as detailed in Schedule B (page 176).

2. Congress Circle .....\$590 000

The estimated cost of physical-plant operations at the Congress Circle campus, plus the Navy Pier drill hall, which will continue to be used for physical education instruction, is \$2,105,000 a year. After deducting the present budget for the operation and maintenance of the Navy Pier campus (\$1,015,000) and the funds requested for 1963-64 (\$500,000), the additional cost for 1964-65 amounts to \$590,000.

#### *C. Increases to Maintain Present Level of Services*

The deans and directors requested increases totaling slightly more than \$7,000,000 for the biennium to be used to overcome accumulated deficiencies and to meet the rising costs of existing programs. Enrollment increases in excess of budgetary provision, growing complexity and an increasing rate of obsolescence of scientific equipment, rising costs of modern hospital care, growing demand for technical personnel in science and engineering laboratories — all these factors, as well as the gradual upward drift in prices and miscellaneous wages, have combined to produce acute deficiencies and pressing needs throughout the University.

1. Increases in Expense<sup>1</sup> and Equipment Funds.....\$1 500 000

The index in commodity prices, prepared by the National Association of Purchasing Agents, has increased approximately 4 per cent in the past two years. While the prices of some commodities have remained fairly stable, others have increased more than this amount. In the 1961-63 biennial budget, the University requested \$2,700,000 to meet accumulated deficiencies in expense and equipment budgets, but only about one-third of this amount was made available. The present asking, therefore, represents a deficiency existing two years ago which has not been met. As noted earlier, the University has absorbed an enrollment increase of about 550 more students than was provided for in the 1961-63 budget. In the meantime, prices have continued to rise and the postal increase effective in

<sup>1</sup> Examples of expense items are office supplies, travel, postage, chemicals and glassware for laboratories, contractual services (i.e., telephones, IBM rentals), repairs to equipment, fuel (coal and oil), water, supplies used in plant maintenance, rentals.

January, 1963, will require approximately \$150,000 in additional funds for the biennium.

The University's equipment appropriation of \$3,200,000 is adequate to replace the existing equipment inventory only once in about every twenty to twenty-five years, while the most expensive type of equipment for scientific laboratories becomes obsolete in less than half of that time. The requested increase will help to meet the needs resulting from unanticipated increases in enrollment and also to improve the replacement-schedule for equipment.

The present level of appropriations to the Physical Plant Department will permit painting of interior walls only once in eighteen years, with two wall washings in the interim.

Two areas of special need are the Research and Educational Hospitals and the Division of Services for Crippled Children. Even after enforcing rigid economies, the Research and Educational Hospitals are unable to operate within the funds presently budgeted for them. They have requested an increase of \$644,000 in expense and equipment budgets, of which \$437,000 represent urgent and long-standing deficiencies. A major portion of the Division of Services for Crippled Children budget goes for hospital care of patients who are approved for treatment. Hospital costs have been increasing by approximately 10 per cent each year. It is estimated that \$268,000 will be needed for increased costs of hospital care alone. Failure to receive this increase will mean that fewer children can be treated for physical handicaps.

Requests from deans and directors totaled \$3,475,930 for increases to correct deficiencies in expense and equipment budgets. The Budget Committee, after careful consideration, concluded that \$1,500,000 was the minimum amount needed for this purpose.

## 2. Increases for Auxiliary Staff to Offset Accumulated

Deficiencies .....\$1 073 000

The deans and directors reported an increasing deficiency in auxiliary personnel throughout the University, and several stressed this need as being more important than any other facing them. A biennial total of \$3,691,262 was requested to provide administrative, technical, and clerical personnel in support of instruction, research, and public-service activities.

Inadequate staff provision related to increased enrollment has been most acutely felt in the Office of Admissions and Records, the Library, the Business Office, and the various offices for student services. Many departments are also understaffed in clerical personnel due to increasing work loads without commensurate staff additions.

The hospitals and clinics need more nursing and technical personnel to try to keep pace with the growing manpower requirements of modern diagnostic and therapeutic techniques in medicine. The Research and Educational Hospitals are hard-pressed to measure up to acceptable standards of present-day medical education and research—so severe is the shortage of hospital personnel in all major categories. The Director has estimated that a total of 54 full-time-equivalent additional staff members are needed to overcome these deficiencies.

The teaching and research laboratories in many science and engineering departments require more technical assistance in order to be most effectively used. The extensive and complex instrumentation required by modern science and technology can not be effectively utilized without adequate technical staff. The funds available in recent years have been seriously insufficient to permit these departments to expand their staffs in these areas on the scale demanded by technological development and increased enrollment.

A careful study of departmental requests was made, and a list of the individual positions that seemed to be most urgently needed was compiled. A summary of the funds required to support these positions is presented in Schedule C (page 177), grouped by colleges and other divisions. The total is \$536,500 on an annual basis or \$1,073,000 for the biennium.

## VII. INCREASES FOR IMPROVEMENTS IN EDUCATIONAL PROGRAMS.....(\$707 000)

In recent years, the University's legislative appropriations have provided little support for new educational programs or for substantial improvements of existing programs. It has been necessary repeatedly to delete such items from biennial budget requests, in order to bring the totals within the limit of available



funds. As a result, the instructional departments have found it increasingly difficult to keep abreast of new developments in their fields. The extent of the University's failure to meet such needs is indicated by the magnitude of the askings in this category from all colleges for 1963-65: \$3,640,146.

The majority of these requests represent programs that should be undertaken by an institution such as the University of Illinois. But partly in view of the extraordinary costs involved in the move to the Congress Circle campus, the Budget Committee and the other administrative officers concerned with budget preparation decided that funds would be requested for only a few programs judged to be of very high priority. So the eight programs described in the following paragraphs are proposed for initiation or substantial improvement in 1963-65.

#### A. College of Engineering

##### 1. Physics of the Upper Atmosphere (biennial amount).....\$80 000

To strengthen the University's graduate training and research in the space and atmospheric sciences. In addition to the work in other departments—heavily supported by Federal funds—2.0 full-time-equivalent physicists are needed to provide graduate instruction and research in this central area where the University has no staff at present. The salary of a clerical employee (1.0 full-time-equivalent) and funds for expense and equipment would comprise the remainder of the budget. Outside funds in at least an equal amount would be expected for the support of research in this area, including research assistantships for graduate students.

##### 2. Molecular Electronics (biennial amount).....\$60 000

To provide staff for graduate instruction in solid-state devices and integrated electronics (including miniaturization of circuits). This would permit the Department of Electrical Engineering to take fuller advantage, in its graduate training, of the new Materials Research Laboratory. Most of the cost would be met from federal funds, but the latter can not be used for instruction in regular courses. The budget item would permit the addition of 1.0 full-time-equivalent professor and 1.0 full-time-equivalent associate professor plus funds for expense and equipment.

##### 3. Nuclear Engineering (biennial amount).....\$40 000

The interdepartmental program in nuclear engineering should be strengthened to take advantage of recent advances in the relatively new field of "Plasma Physics," which makes it possible to conduct fundamental studies related to the development of thermonuclear systems outside the large National Laboratories supported by the Atomic Energy Commission. The budget item would provide for the salary of a senior professor plus funds for expense and equipment needed in instruction. The greater part of the cost of the program (the laboratory facilities) would be provided from federal funds granted to the Departments of Physics and Electrical Engineering and to the Coordinated Science Laboratory.

#### B. College of Liberal Arts and Sciences

##### 1. Department of Linguistics (biennial amount).....\$121 000

The University has a relatively strong graduate program in linguistics, presently administered by an interdepartmental committee. Since there is no Department of Linguistics as such, the staff consists of faculty members from the cooperating departments (Anthropology, English, the modern languages, Psychology, Speech). It is proposed to establish a small department with a core of faculty members interested in linguistics as a fundamental discipline and also responsible for service courses in certain non-Western languages. These would include elementary instruction in Hindi, Chinese, Japanese, and Arabic for the support of language and area studies, mainly in the program described below. The personnel requirement would be: 1.0 full-time-equivalent professor; 3.0 full-time-equivalent assistant professors in 1963-64; 2.0 full-time-equivalent assistant professors in 1964-65; 1.0 full-time-equivalent clerk stenographer III; \$1,000 for expense and equipment.

In addition to the graduate program in linguistics and research in the fundamental discipline of linguistics, this department would conduct experimentation in language instruction in connection with its conduct of instruction in non-Western languages. There would be no intention to develop instructional programs in these languages beyond the elementary level. The purpose of this

instruction would be to provide the tools necessary for the study of non-Western culture, not to train experts in foreign languages and literature.

2. A Program of Asian Studies (biennial amount).....\$158 000

For more than two years the faculty and the administration have been considering the University's responsibilities for expanding work in non-Western studies. As a result of this extensive review, including the work of various committees and conferences, there is general agreement that the University should expand its relatively meager programs in the broad field of international studies. India, Southeast Asia, China, and Japan are possible areas of study—or some combination of these four. The choice would depend partly upon the offerings at other universities in this region, partly upon the availability of distinguished scholars, and partly upon national need.

Aside from the director of the program (1.0 full-time-equivalent professor), the staff would consist of 4.0 full-time-equivalent assistant professors (assigned to supporting departments in the social sciences) and a half-time secretary. A total of \$30,000 would need to be added to the budget of the Library, including funds for approximately 3.0 technical library personnel (acquisitions and cataloging). It should be noted that the teaching staff would help to provide instruction for the increased number of students in 1963-65.

C. College of Medicine

1. Continuing Medical Education (biennial amount).....\$85 000

The broad purpose of this program is to furnish physicians from Illinois and elsewhere with opportunities to acquire the most modern medical knowledge and to improve their skills and thus enable them to render the best possible medical care to their patients. To achieve this objective it will be necessary for the College of Medicine to continue to support unstintingly the many existing non-University postgraduate programs, to enhance and expand existing University programs, and to establish new intramural and extramural programs of several kinds as rapidly as circumstances will permit.

The intramural programs should include (a) new courses for specialists in highly technical fields, i.e., surgery and specialties of surgery, obstetrics, ophthalmology (these programs should be patterned after the successful courses in otolaryngology and bronchoesophagology now being offered annually); (b) new short-course programs describing "new developments" for practitioners of general medicine; and (c) patient-centered programs for small numbers of physicians working on the wards and in the clinics of the University's teaching hospitals.

Extramural programs would center initially around short-course offerings scheduled at appropriate intervals in strategically-located centers within the State. Such programs would include the subject matter of the sciences basic to medicine as well as the subject matter of clinical medicine.

A subsidiary but no less important aim of the program of postgraduate or continuing education of the physician is to improve the climate for medical practice in the outlying regions of Illinois and thus provide added inducements to medical graduates to choose these areas as locations in which to practice. The full achievement of this objective will take time and great effort and may involve sharp departures from the University's present program of resident training. New elective offerings to undergraduate medical students may be indicated also. These possibilities are now under consideration by appropriate administrative units and faculty committees, and the implementation of the programs agreed upon will take place as soon as funds can be provided.

The staff requirements for 1963-65 would be as follows: 1.0 full-time-equivalent coordinator; .33 full-time-equivalent professional staff (part-time salaries and stipends for guest participants); 1.0 full-time-equivalent clerk-stenographer III. The remainder of the budget would consist in funds for office expense, travel, and other miscellaneous expenses.

2. A School of Associated Medical Sciences (biennial amount).....\$102 000

The hospitals and other agencies in Illinois concerned with health problems are in acute need of medical technicians, medical librarians, and other technical personnel for the support of medical practice and research.

This problem has been studied intensively for some time, both in the College of Medicine and in the College of Liberal Arts and Sciences. It has been agreed that cooperative baccalaureate programs in several areas are desirable and that

they should be centered administratively in a "School of Associated Medical Sciences" within the College of Medicine. Generally speaking, students would begin their work in the College of Liberal Arts and Sciences (either at Urbana or at the Chicago Undergraduate Division), with the terminal year or years spent in the College of Medicine. The existing program in occupational therapy would be assigned to the School for administrative purposes. Initially, two new programs are proposed: (a) a curriculum in medical technology, and (b) a curriculum in medical-records library science. Future curricula probably would include physiotherapy and x-ray technology.

The annual proposed budget of \$51,000 would provide salaries for the following personnel: 1.0 full-time-equivalent director; 1.5 full-time-equivalent assistant professors; 1.0 full-time-equivalent instructor; 2.0 full-time-equivalent clerk-stenographers II.

#### D. College of Nursing

A Graduate Program (M.S.) in Nursing Education (biennial amount) .....\$61 000

No university in the state of Illinois now offers graduate training for teachers of nursing. The need is acute, and a program can be initiated in the College of Nursing at relatively low cost. The additional personnel budget would include 2.0 full-time-equivalent associate professors (one in pediatric nursing and the other in obstetrics) and 1.0 full-time-equivalent clerk-typist III.

#### Schedule B. Funds Requested for Operation of New Buildings, 1963-65

##### VI-A. 1963-64 (for two years)

<i>Urbana-Champaign</i>	<i>Amount for Two Years</i>
Electrical Engineering Addition.....	\$ 84 550
Library Addition.....	71 650
Physics Addition.....	196 940
Plant Sciences Building.....	213 380
Physical Plant Service Building.....	250 080
University Press Addition.....	72 730
Digital Computer Laboratory.....	38 230
Veterinary Medicine Research Annex.....	39 640
Central Receiving Station.....	23 050
Armory Addition.....	59 150
Burnsides Research Laboratory.....	55 840
Power Plant Addition.....	36 950
Remodeled Areas.....	14 830
<b>Total Urbana-Champaign.....</b>	<b>\$1 157 020</b>

##### *Medical Center*

Medical Science Addition.....	\$ 391 050
Remodeled Areas.....	23 030

##### *Total Medical Center.....*

	<b>\$ 414 080</b>
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##### *Congress Circle Campus.....*

	<b>\$1 000 000</b>
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##### VI-B. 1964-65 (for one year)

<i>Urbana-Champaign</i>	<i>Amount for One Year</i>
Commerce Building.....	\$ 95 815
Education Building.....	131 020
Office-Classroom Addition.....	47 675
Rehabilitation Center.....	29 280
Water Resources Addition (State Water Survey).....	21 340
Remodeled Areas.....	6 740
<b>Total Urbana-Champaign.....</b>	<b>\$331 870</b>

##### *Medical Center*

Remodeled Areas.....	\$ 28 130
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<b>Congress Circle Campus.....</b>	<b>\$590 000</b>
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Note: In addition to this amount, the budget for plant operation and maintenance at Congress Circle in 1964-65 will include the amount in the present budget for Navy Pier (\$1,019,180) and the item of \$500,000 provided for 1963-64 (see VI-A, above).

## Summary of Funds for Operation of New Buildings

<i>Campus</i>	1963-64	1964-65	Total
Urbana-Champaign and Medical Center..	\$1 571 100	\$360 000	\$1 931 100
Congress Circle.....	1 000 000	590 000	1 590 000
Total.....	\$2 571 100	\$950 000	\$3 521 100

## Schedule C. Increases in Auxiliary Staff to Meet Accumulated Deficiencies

	Annual Basis
<i>Urbana-Champaign</i>	
College of Agriculture.....	\$ 16 400
College of Commerce and Business Administration.....	3 000
College of Education.....	11 600
College of Engineering.....	58 300
College of Fine and Applied Arts.....	11 000
Graduate College.....	9 000
College of Journalism and Communications.....	6 600
College of Liberal Arts and Sciences.....	90 200
College of Physical Education.....	41 000
Jane Addams Graduate School of Social Work and Division of University Extension.....	9 000
College of Veterinary Medicine.....	10 000
Office of the Dean of Students.....	13 000
<i>Medical Center</i>	
College of Dentistry.....	\$ 21 300
College of Medicine.....	36 500
College of Nursing.....	15 200
College of Pharmacy.....	6 500
Research and Educational Hospitals.....	60 000
Office of the Director of Student Affairs.....	10 000
<i>All-University Offices and Divisions</i>	
Office of Admissions and Records.....	\$ 20 000
Business Office.....	13 000
University Library.....	32 600
Physical Plant Department.....	19 500
Statistical Service Unit.....	22 800
Total Annual Amount.....	\$ 536 500
	×2
Total Biennial Amount.....	\$1 073 000

## Schedule D. Comparative Schedule of Biennial Operating Appropriations by Object Classification and Fund, 1963-65

	Appropriations 1961-63	Estimated Expenditures 1961-63	Appropriation Requested 1963-65
<i>General Revenue</i>			
Personal Services.....	\$104 306 700	\$104 306 700	\$130 334 300
Contractual Services.....	10 003 500	10 003 500	12 000 000
Travel.....	559 000	559 000	800 000
Commodities.....	4 201 500	4 201 500	5 500 000
Equipment.....	2 501 500	2 506 500	3 000 000
Retirement Contributions.....	5 122 800	5 122 800	5 865 700
Permanent Improvements.....	450 000	450 000	.....
Appliances and Physical Examinations.....	250 000	250 000	300 000
Hospital and Medical Services.....	2 300 000	2 300 000	2 500 000
Contingencies.....	5 000	(1)	.....
Total.....	\$129 700 000	\$129 700 000	\$160 300 000
<i>University Income Fund</i>			
Personal Services.....	\$ 6 575 000	\$ 7 475 000	\$ 4 875 000
Contractual Services.....	1 000 000	2 300 000	1 000 000

<sup>1</sup> Allocated to above items.

	<i>Appropriations 1961-63</i>	<i>Estimated Expenditures 1961-63</i>	<i>Appropriation Requested 1963-65</i>
<i>University Income Fund</i>			
Travel.....	\$ 100 000	\$ 450 000	\$ 100 000
Commodities.....	800 000	1 700 000	800 000
Equipment.....	700 000	1 100 000	700 000
Awards and Grants.....	550 000	650 000	594 000
Workmen's Compensation.....	75 000	100 000	100 000
Student Loan Matching.....	56 000	56 000	56 000
Permanent Improvements.....	.....	900 000	1 000 000
Refunds.....	200 000	325 000	275 000
Contingencies.....	5 000 000	(1)	6 000 000
<i>Total.....</i>	<i>\$ 15 056 000</i>	<i>\$ 15 056 000</i>	<i>\$ 15 500 000</i>
<i>General Revenue and Income Fund</i>			
Personal Services.....	\$110 881 700	\$111 781 700	\$135 209 300
Contractual Services.....	11 003 500	12 303 500	13 000 000
Travel.....	659 000	1 009 000	900 000
Commodities.....	5 001 500	5 901 500	6 300 000
Equipment.....	3 201 500	3 606 500	3 700 000
Retirement Contributions.....	5 122 800	5 122 800	5 865 700
Awards and Grants.....	550 000	650 000	594 000
Workmen's Compensation.....	75 000	100 000	100 000
Student Loan Matching.....	56 000	56 000	56 000
Permanent Improvements.....	450 000	1 350 000	1 000 000
Refunds.....	200 000	325 000	275 000
Appliances and Physical			
Examinations.....	250 000	250 000	300 000
Hospital and Medical Services.....	2 300 000	2 300 000	2 500 000
Contingencies.....	5 005 000	(2)	6 000 000
<i>Total.....</i>	<i>\$144 756 000</i>	<i>\$144 756 000</i>	<i>\$175 800 000</i>

**Schedule E. Schedule of Appropriations Requested by Fund, Object,  
Classification, and Functions, 1963-65**

	<i>Adminis- tration</i>	<i>Instruction (including Research and Extension)</i>	<i>Physical Plant</i>	<i>Total</i>
<i>General Revenue</i>				
Personal Services.....	\$11 234 300	\$103 100 000	\$16 000 000	\$130 334 300
Contractual Services.....	1 750 000	3 450 000	6 800 000	12 000 000
Travel.....	180 000	600 000	20 000	800 000
Commodities.....	600 000	4 270 000	630 000	5 500 000
Equipment.....	150 000	2 400 000	450 000	3 000 000
Retirement Contributions.....	5 865 700	.....	.....	5 865 700
Permanent Improvements.....	.....	.....	.....	.....
Appliances and Physical				
Examinations.....	.....	300 000	.....	300 000
Hospital and Medical				
Services.....	.....	2 500 000	.....	2 500 000
Contingencies.....	.....	.....	.....	.....
<i>Total.....</i>	<i>\$19 780 000</i>	<i>\$116 620 000</i>	<i>\$23 900 000</i>	<i>\$160 300 000</i>
<i>Income Fund</i>				
Personal Services.....	\$ 300 000	\$ 4 275 000	\$ 300 000	\$ 4 875 000
Contractual Services.....	200 000	300 000	500 000	1 000 000
Travel.....	.....	100 000	.....	100 000
Commodities.....	.....	800 000	.....	800 000
Equipment.....	.....	700 000	.....	700 000
Awards and Grants.....	.....	594 000	.....	594 000
Workmen's Compensation.....	100 000	.....	.....	100 000
Student Loan Matching.....	.....	56 000	.....	56 000

<sup>1</sup> Allocated to above items.

	Adminis- tration	Instruction (including Research and Extension)	Physical Plant	Total
Permanent Improvements.....			\$ 1 000 000	\$ 1 000 000
Refunds.....		275 000		275 000
Contingencies <sup>1</sup> .....	(1)	(1)	(1)	6 000 000
<b>Total.....</b>	<b>\$ 600 000</b>	<b>\$ 7 100 000</b>	<b>\$ 1 800 000</b>	<b>\$ 15 500 000</b>

*General Revenue and Income Fund*

Personal Services.....	\$11 534 300	\$107 375 000	\$16 300 000	\$135 209 300
Contractual Services.....	1 950 000	3 750 000	7 300 000	13 000 000
Travel.....	180 000	700 000	20 000	900 000
Commodities.....	600 000	5 070 000	630 000	6 300 000
Equipment.....	150 000	3 100 000	450 000	3 700 000
Retirement Contributions.....	5 865 700			5 865 700
Awards and Grants.....		594 000		594 000
Workmen's Compensation.....	100 000			100 000
Student Loan Matching.....		56 000		56 000
Permanent Improvements.....			1 000 000	1 000 000
Refunds.....		275 000		275 000
Appliances and Physical Examinations.....		300 000		300 000
Hospital and Medical Services.....		2 500 000		2 500 000
Contingencies <sup>1</sup> .....	(1)	(1)	(1)	6 000 000
<b>Total.....</b>	<b>\$20 380 000</b>	<b>\$123 720 000</b>	<b>\$25 700 000</b>	<b>\$175 800 000</b>

**INSTITUTION FOR TUBERCULOSIS RESEARCH BIENNIAL  
OPERATING BUDGET FOR 1963-65**

(2) The Institution for Tuberculosis Research was created by the General Assembly for the "production, distribution, and application of the bacillus Calmett-Guerin (BCG), and other methods and materials for the prevention of tuberculosis and for conducting research in tuberculosis." The responsibility for the professional operation and all other management and control of the Institution is vested in the University.

The Executive Vice-President and Provost recommends a budget amounting to \$194,000 for the 1963-65 biennium, an increase of \$21,000 over the present biennial appropriation. The increase is requested for the following purposes:

One Technician for Extending the Research in Vaccination by the Aerosol Route (without injection).....	\$ 8 000
Increase in Equipment.....	2 000
Salary Adjustments .....	11 000
<b>Total.....</b>	<b>\$21 000</b>

I recommend that this budget be approved for filing with the State Department of Finance and presentation to the Illinois Budgetary Commission.

On motion of Mr. Swain, this budget was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

**APPOINTMENTS TO THE FACULTY**

(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. STANLEY F. BLOUNT, Assistant Professor of Geography, Department of Social Sciences, Chicago Undergraduate Division, beginning September 1, 1962, at an annual salary of \$7,200 (D).
2. ANNE L. CORBITT, Associate Professor of Library Science, beginning September 1, 1962, at an annual salary of \$10,000 (D).

<sup>1</sup> Applies to all funds and is included only in the total column.

3. DONALD L. DAY, Assistant Professor of Agricultural Engineering, beginning September 1, 1962, at an annual salary of \$8,700 (DY).
4. CECELIA M. FENNESSY, Assistant Professor of Nursing, beginning September 1, 1962, at an annual salary of \$8,000 (DY).
5. JOHN E. GEDO, Clinical Assistant Professor of Psychiatry, College of Medicine, beginning September 1, 1962, on one-fourth time, at an annual salary of \$3,500 (DY25).
6. JEAN PAGE GILBERT, Visiting Assistant Professor of Education, for the academic year 1962-63, at a salary of \$7,200 (E).
7. HANS-DIETER HENATSCH, Lecturer in the Department of Pharmacology, with rank of Associate Professor, College of Medicine, for six and one-half months from October 15, 1962, at a salary of \$6,500 (G).
8. MARTIN R. HURDIG, Assistant Professor of Architecture and Art, Chicago Undergraduate Division, beginning September 1, 1962, at an annual salary of \$7,200 (D).
9. H. VICTORIA IVERSON, Assistant Professor of Hygiene and Medical Adviser for Women, Health Service, Chicago Undergraduate Division, beginning September 15, 1962, on one-half time, at an annual salary of \$6,000 (DY50).
10. SHISHIRKUMAR JOGDEO, Assistant Professor of Mathematics, beginning September 1, 1962, at an annual salary of \$7,500 (B).
11. YASUO KOMAMIYA, Visiting Research Associate Professor in the Digital Computer Laboratory, Graduate College, for the academic year 1962-63, at a salary of \$10,800 (E).
12. RAYMOND E. LEWKOWICZ, Assistant Professor of Mathematics, beginning September 1, 1962, at an annual salary of \$7,800 (B).
13. JAMES MCGARRELL, Visiting Professor of Art, for one month from September 17, 1962, at a salary of \$1,200 (G).
14. ARNOLD L. MILLER, Assistant Professor of Psychology, beginning September 1, 1962, on one-third time, at an annual salary of \$2,600 (D33).
15. JEAN PHILLIPS, Visiting Assistant Professor of Education, for the academic year 1962-63, at a salary of \$7,200 (E).
16. HAROLD S. SHULMAN, Assistant Professor of Psychology, beginning September 1, 1962, on one-third time, at an annual salary of \$3,300 (D33).
17. JERRY S. WIGGINS, Associate Professor of Psychology, beginning September 1, 1962, at an annual salary of \$9,500 (A).

On motion of Mr. Dilliard, these appointments were confirmed.

#### ADMISSIONS PROCEDURES — DATES FOR ACCEPTING APPLICATIONS FOR ADMISSION

(4) The All-University Committee on Admissions, the Dean of Admissions and Records, and the Executive Vice-President and Provost recommend authorization of the following policy and procedures governing acceptance of applications for admission to the University.

- A. Specific final (deadline) dates for acceptance of applications for admission and readmission in a given term may be established by the President, upon recommendation of the Dean of Admissions and Records and after consultation with other administrative officers concerned. These dates may vary among the three campuses as special conditions warrant.

"Applications for admission and readmission" shall mean that the complete file of credentials necessary for action on the application shall have been submitted.

- B. The Dean of Admissions and Records may accept applications after final (deadline) dates under exceptional circumstances which patently justify special consideration.
- C. Beginning in September, 1963, the following deadline dates on applications for admission and readmission will be established for fall registration at Urbana-Champaign:

In the case of foreign students, six weeks prior to the first day of the registration period for the first semester for the fall term of each year.

In the case of domestic students, two weeks prior to the first day of the registration period of the fall term of each year.

In the case of foreign students seeking readmission, or foreign applicants

who hold a baccalaureate degree from a college or university in the United States, the regulation covering domestic students will apply.

Adoption of such procedures is deemed necessary in the interests of orderly and systematic consideration of applications. Heretofore, many prospective students who have not previously submitted applications appear during the registration period or even later, hurriedly complete applications, and receive provisional permits which enable them to proceed with registration. Provisional permits are necessary because in most cases the applicants can not present official credentials. Following the registration period, the Office of Admissions and Records determines whether or not such applicants meet the requirements. Such special handling requires additional staff time and results in added expense. Furthermore, the effort to process new applications immediately preceding or during registration interferes with the registration of the large majority of students, old and new, whose credentials have been evaluated and approved.

At the same time there should always be provision for considering the applications of prospective students who have legitimate reasons for delay in filing their applications beyond the deadline, but there would be relatively few such cases. These late applicants could reasonably be required to defer registration until after the regular registration period, if this seemed desirable in order to avoid the difficulties just mentioned. Special procedures would be established for the registration of those late applicants for admission to the Graduate College who had been selected for assistantships or other University appointments.

I concur.

On motion of Mr. Pogue, these recommendations were approved.

#### REORGANIZATION OF COLLEGE OF EDUCATION

(5) The educational, research, and public service programs of the College of Education have heretofore been administered under nine divisions, which have had informal status, and five other administrative units—the University High School, the Bureau of Educational Research, an Evaluation Unit attached to the Bureau, the Institute for Research on Exceptional Children, and the Teacher Placement Office which also serves the University Council on Teacher Education.

The Dean and the Executive Committee of the College have recommended the reorganization of the College of Education by the establishment of seven departments, each with an Executive Committee and a Chairman:

<i>Department</i>	<i>Chairman</i>
Administration and Supervision	Associate Professor L. E. McCleary
Educational Psychology	Professor R. Stewart Jones
Elementary Education	Professor John E. McGill
History and Philosophy of Education	Professor William O. Stanley
Secondary and Continuing Education	Professor R. Will Burnett
Special Education	Professor Samuel A. Kirk
Vocational and Technical Education	Professor M. Ray Karnes

The University High School, the Bureau of Educational Research, and the Institute for Research on Exceptional Children will be continued as separate administrative units. By administrative approval, the Evaluation Unit has been separated from the Bureau of Educational Research and is now the Office of Educational Testing; and the name of the Teacher Placement Office has been changed to Educational Placement Office.

The University Statutes provide that a new department may be created by the Board of Trustees on vote of the faculty of the college in which the department is to be located and on recommendation of the college and with the approval of the appropriate Senate and of the President. In the present case, the seven departments proposed are not new, in the sense that they will encompass new programs or units of instruction, research, or public service, but will constitute a formal reorganization, administratively, of existing programs which will be the equivalent of the prior informal divisions or units. Hence, action on the recommendation by the Urbana Senate is not indicated; nor does it appear necessary to submit these changes to the State Board of Higher Education for approval since that Board requires only that the State universities report "the establishment of a college, school, division, institute, department or other unit in any field of instruction, research, or public service *not theretofore included in the program of the institution.* . . ."



With the approval of the Executive Vice-President and Provost, acting for the President, the seven departments have been functioning on an informal and unofficial trial basis, under the general administration of the Dean and the Executive Committee of the College. The Dean was requested to provide for elections of executive committees for the new departments, and these committees have been consulted regarding the nominations of chairmen.

The executive officers of the other units have been serving in those capacities for a number of years, and their reappointments were included in the budget for the current academic year when it was approved by the Board of Trustees: David M. Jackson, Principal of University High School; William P. McLure, Director of the Bureau of Educational Research; Samuel A. Kirk, Director of the Institute for Research on Exceptional Children; and J. Marlowe Slater, Head of the Educational Placement Office.

I recommend approval of the foregoing recommendations, including the appointments of the chairmen of the departments for one year from September 1, 1962.

On motion of Mrs. Watkins, these recommendations were approved.

#### CHANGES IN NAMES OF ADMINISTRATIVE UNITS

(6) The Vice-President for the Chicago Undergraduate Division has recommended that the name of its College of Fine and Applied Arts be changed to "College of Architecture and Art."

The Dean of the College of Physical Education has recommended that the Student Rehabilitation Center and the Program of Intramural Activities be renamed the "Division of Rehabilitation—Education Services" and the "Division of Intramural Activities," and that the executive officer of each be designated as Director.

I concur in these recommendations.

On motion of Mr. Johnston, these changes were approved.

#### JUSTIN SMITH MORRILL HALL

(7) It is recommended that the new laboratories building south of Burrill Hall, construction of which was financed by grants from the National Institutes of Health, the National Science Foundation, and matching state funds, be named Justin Smith Morrill Hall for Congressman and later Senator from Vermont, Justin Smith Morrill, sponsor of the Land-Grant Act. This name has been approved by the Executive Committee of the School of Life Sciences and the Executive Committee of the University Council.

The University has named the Plant Sciences Building, now under construction, for Jonathan Baldwin Turner, early pioneer in the development of the concepts which underlay the initiation and growth of Land-Grant universities. The state of Illinois, which contributed greatly to the impetus for the Land-Grant movement, should also honor the sponsor of the national legislation under which the University of Illinois was founded. It is especially appropriate to take such action this year, the Centennial of the Land-Grant Act.

The new building will house the Department of Entomology and will also be used by other departments in biology. The building use thus reflects the University's broad interest in research and instruction, the early emphasis upon science, and the cooperative arrangements between the state and federal governments in the encouragement of the program of Land-Grant universities.

On motion of Mr. Dilliard, this recommendation was approved.

#### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(8) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

Statistical Service Unit, Urbana, equipment.....	\$ 4 885
Chicago Undergraduate Division, rental and option to purchase IBM 1620 computer system.....	18 866
Physical Plant	
Horticulture Field Laboratory, improvement of lighting.....	5 100
Child Development Laboratory, air conditioning.....	5 500

The Vice-President and Comptroller recommends the following appropriation:

Repair of fire damage to University building at 1208 West Springfield Avenue, Urbana..... \$ 9 300

A fire of undetermined origin caused extensive damage to the University three-story, frame building at 1208 West Springfield Avenue, Urbana, which provided offices for the school mathematics project under the direction of Professor Max Beberman of the College of Education. The estimated cost of repairs is \$9,300. The building has 3,058 square feet of usable space so that the repairs result in an average cost of \$3.40 per square foot. Since other space could not be made available for the estimated cost of the repairs proposed, the Director of the Physical Plant and the Vice-President and Comptroller have recommended an appropriation for this purpose.

Total..... \$43 651  
I concur.

On motion of Mr. Williamson, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

#### AGREEMENT WITH COMMONWEALTH EDISON COMPANY FOR ELECTRICAL SERVICES

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of an "excess facilities" agreement with Commonwealth Edison Company, Chicago, for work in connection with improvements to the electrical service at the Medical Center at a cost of \$54,132.

During the 1959-61 biennium, the University began a change over of the electrical services to the Research and Educational Hospitals buildings from 4,000-volt service to a more reliable 12,000-volt service. All the work has been designed and a considerable portion completed. A final phase consists of electrical vault improvements and bringing into the campus additional feeders from the Commonwealth Edison system. The work to be done by Commonwealth Edison and paid for by the University includes only that part of the cost of Edison's work necessary for service to the University and includes changing of the transformers in vaults requiring increased capacity, furnishing and installing conduit and cables for two additional 12,000-volt feeders into the campus, rearrangement of switching equipment in four vaults, and cable rearrangement in the Edison system. When this work is completed, the possibility of an electrical outage will have been reduced to the minimum.

The proposed work by the Commonwealth Edison Company will implement in part recommendations in the "Report on Electrical Distribution System, Chicago Professional Colleges Campus," dated May 3, 1950, and is consistent with the long-range plan of improvements previously approved by the Board of Trustees.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Johnston, this agreement was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

#### CONTRACTS FOR EXTENSION OF UTILITIES DISTRIBUTION SYSTEM

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts for extension of the utilities distribution system, the award in each case being to the lowest bidder:

Construction of Underground Steam Tunnel (Division "FF") from Gregory Hall north on the east side of Wright Street to the service drive north of the Administration Building—Dean Evans Company, Champaign ..... \$278 839

Installation of Plumbing for Underground Steam Tunnel (Division "GG") — George S. Walker Plumbing and Heating, Inc., Decatur	18 000
Installation of Piping in Underground Steam Tunnel and Underground Cast Iron Conduit Piping (Division "HH") — M. J. Holleran, Inc., Chicago	105 860
Base bid	\$88 260
Additive alternate for installation of a six-inch high pressure steam main from the University Library north through the new steam tunnel and east to Harker Hall	17 600
(The tunnel from Wright Street east to Harker Hall has already been constructed.)	
Furnishing and Applying of Thermal Insulation for Piping in Underground Steam Tunnel (Division "II") — Inland Insulation Company, Chicago	26 500
Base bid	\$17 625
Additive alternate for insulation of six-inch high pressure steam main	8 875
Furnishing and Installation of Electrical Materials, including Tunnel Lighting and Power to Miscellaneous Pumps (Division "JJ") — Square Deal Electrical Contracting, Inc., Urbana	17 411
<b>Total</b>	<b>\$446 610</b>

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

#### CONTRACT FOR STEAM SERVICE TO ILLINOIS EYE AND EAR INFIRMARY

(11) The Department of Mental Health has requested that the University furnish steam service to the new Illinois Eye and Ear Infirmary being constructed south of Taylor Street between Wood Street and Wolcott Avenue.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract on the same basis as the University's contracts with other consumers of steam in the Medical Center District supplied by the Medical Center Steam Company. The requirements of the Infirmary will not exceed 12,000 pounds per year maximum demand which is well within the capacity of the present Medical Center Steam Plant.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

#### CONTRACT FOR POWER SUPPLIES FOR THE MEDICAL CENTER CAMPUS

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$304,180 to the C and H Electrical Company, Chicago, Illinois, the lowest bidder, for new power supplies for the Research Laboratory and Library Building, Dentistry-Medicine-Pharmacy Building, Second Unit of the Dentistry-Medicine-Pharmacy Building, and the west section of the Research and Educational Hospitals, and network ties between vaults on the Medical Center Campus.

These installations are a phase of the 1961-63 improvements changing the electrical supply from an obsolete and overloaded 4,000-volt system to a new

and more reliable 12,000-volt system and include new duct work, cabling, and switchgear for the buildings listed.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Hughes, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

#### EMPLOYMENT OF ARCHITECTS AND ENGINEERS

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of architects and engineers for the following assignments and on the terms indicated:

Civil Engineering Building, Urbana-Champaign — A. Epstein and Sons, Inc., Chicago, with the firm of Richardson, Severns, Scheeler, and Associates, Champaign, as associate architect, for building planning and design, on the basis of a fee of 6 per cent of the construction contract costs, fee to cover building design, preparation of plans, working drawings, specifications, contract documents, and supervision of construction.

Addition to Smith Music Hall, Urbana-Champaign — Lundeen and Hilfinger, Bloomington, on the basis of a fee of 6 per cent of the construction contract costs, fee to cover building design, preparation of plans, working drawings, specifications, contract documents, and supervision of construction.

Life Sciences — East Unit, Urbana-Champaign — Fugard, Burt, Wilkinson, and Orth, Chicago, on the basis of a fee of 5½ per cent of the construction contract costs, fee to cover building design, preparation of plans, working drawings, specifications, and supervision of construction.

East Dentistry-Medicine-Pharmacy Addition, Medical Center — Perkins and Will, Chicago, on the basis of a fee of 6 per cent of the construction contract costs, fee to cover building design, preparation of plans, working drawings, specifications, and supervision of construction.

These firms have been recommended for the specific assignments by the Advisory Committee on the Selection of Architects and Engineers. The Committee on Buildings and Grounds has also been consulted and recommends approval.

I concur in these recommendations.

On motion of Mr. Pogue, these recommendations were approved.

#### ADDITION TO CONTRACT FOR ENGINEERING SERVICES ON PLANS FOR COORDINATED SCIENCE LABORATORY

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$4,000 in the contract with Brown, Manthei, Davis, and Mullins, Champaign, Illinois, for additional engineering services in the preparation and revision of working drawings and specifications for mechanical and electrical work in the construction of the Coordinated Science Laboratory.

Funds are available in assignments to the Coordinated Science Laboratory from indirect costs recovered under research contracts.

I concur.

On motion of Mrs. Watkins, this change in contract was authorized.

#### AMENDMENT OF GRANT AGREEMENT WITH FEDERAL AVIATION AGENCY

(15) The Federal Aviation Agency has requested a resolution authorizing acceptance and execution of "First Amendment to Grant Agreement, Project No. 9-11-026-6003, University of Illinois Willard Airport" (Contract Serial No. FA3-586) pertaining to certain improvements at the University of Illinois-Willard Airport for which the Federal Aviation Agency agreed to provide one-half the funds with the state of Illinois, through its Department of Aeronautics, providing substantially the other half, except for the cost of engineering services, which were paid by the University. The purpose of the amendment is to provide for an increase in the federal grant from \$97,523 to \$98,636.14 (or

\$1,113.14) to cover the Federal Aviation Agency's share of the additional and allowable project costs.

Accordingly, I recommend adoption by the Board of the Resolution submitted herewith, and that the Board authorize its execution as indicated therein.

**Resolution Authorizing Acceptance and Execution of First Amendment  
to Grant Agreement Between the United States and the Board  
of Trustees of the University of Illinois, Champaign-  
Urbana, Illinois**

WHEREAS, the Administrator of the Federal Aviation Agency, pursuant to a request from the University of Illinois, and in order to advance the interests of the United States in civil aviation, has tendered a First Amendment to the Grant Agreement executed between the Administrator of the Federal Aviation Agency, acting for and on behalf of the United States, and The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, with its principal office in the City of Urbana, Illinois, and the State of Illinois, acting by and through its Department of Aeronautics, on December 18, 1959, and December 21, 1959, respectively, covering a project on the University of Illinois Airport, Project No. 9-11-026-6003; and

WHEREAS, it is necessary that the said Amendment to the Grant Agreement be duly and formally accepted by The Board of Trustees of the University of Illinois, Urbana, Illinois; and

WHEREAS, the said Amendment to the Grant Agreement is in the words, figures, and form following:

**FIRST AMENDMENT TO GRANT AGREEMENT**

University of Illinois Willard Airport  
Champaign-Urbana, Illinois  
Project No. 9-11-026-6003  
Contract Serial No. FA3-586

WHEREAS, the amount of final eligible and allowable and allowed project costs relating to the above-identified project has been determined to be \$197,272.28, the Federal share of which is \$98,636.14, and said Federal share exceeds the amount of the maximum obligation of the United States under the project Grant Agreement by the amount of \$1,113.14; and

WHEREAS, it is determined to be in the interest of the United States that the said Grant Agreement be amended, as authorized by Public Law 183, 81st Congress in the manner and particulars hereinafter set forth.

NOW, THEREFORE, WITNESSETH:

For and in consideration of the benefits which will respectively accrue to the parties hereto, it is hereby mutually agreed by and between the Federal Aviation Agency, for and on behalf of the United States, as Party of the First Part and The Board of Trustees of the University of Illinois and the Department of Aeronautics, State of Illinois, as Parties of the Second Part, that the Grant Agreement on Project No. 9-11-026-6003, be and the same is hereby amended by deletion of the monetary amount "\$97,523.00" appearing in numbered Paragraph 1 on Page 2 of Part I-Grant Offer, and by substitution therefore of the monetary amount of \$98,636.14."

IN WITNESS WHEREOF, the Parties hereto have caused this First Amendment to be executed as of the ..... day of ....., 1962.

UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY

By.....  
Acting Chief, Airports Division, Central Region

Approved:.....  
Director, Institute of Aviation  
University of Illinois

THE BOARD OF TRUSTEES OF  
THE UNIVERSITY OF ILLINOIS

(Seal)

Attest:..... By.....  
Title..... Title.....

# CERTIFICATE OF CO-SPONSOR'S ATTORNEY

I, \_\_\_\_\_, acting as Attorney for the Board of Trustees of the University of Illinois (hereinafter called the Co-Sponsor) do hereby certify:

That I have examined the foregoing First Amendment to Grant Agreement and the proceedings taken by the Co-Sponsor relating thereto and find that the execution thereof by the Co-Sponsor has been duly authorized, and is in all respects due and proper and in accordance with the laws of the State of Illinois and further that, in my opinion said First Amendment to Grant Agreement constitutes a legal and binding obligation of the Co-Sponsor in accordance with the terms thereof.

Dated at \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 1962.

\_\_\_\_\_  
Title

STATE OF ILLINOIS, acting by and  
through its Department of Aeronautics

(Seal)

Attest: \_\_\_\_\_ By \_\_\_\_\_

Title \_\_\_\_\_ Title \_\_\_\_\_

# CERTIFICATE OF CO-SPONSOR'S ATTORNEY

I, \_\_\_\_\_, acting as Attorney for the State of Illinois, acting by and through its Department of Aeronautics, (hereinafter called the "Co-Sponsor"), do hereby certify:

That I have examined the foregoing First Amendment to Grant Agreement and the proceedings taken by the Co-Sponsor, the State of Illinois, Department of Aeronautics, relating thereto and find that the acceptance thereof by the said Co-Sponsor has been duly authorized, and that the execution thereof is in all respects due and proper and in accordance with the laws of the State of Illinois, and further, that in my opinion, said First Amendment to Grant Agreement constitutes a legal and binding obligation of the said Co-Sponsor in accordance with the terms thereof.

Dated at \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 1962.

\_\_\_\_\_  
Title

*Now, Therefore, in consideration of the benefit to be derived therefrom, Be It, and It is Hereby Resolved by The Board Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, with its principal office in the City of Urbana, Illinois, as follows:*

- (1) That The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, with its principal office in the City of Urbana, Illinois, accept, and it does hereby accept the First Amendment to the Original Grant Agreement tendered to it by the Administrator of the Federal Aviation Agency, acting for and on behalf of the United States, in the words, figures, and form as hereinabove set forth, to be duly executed in its name and for and in its behalf.
- (2) That to accomplish the foregoing, H. O. Farber, Comptroller, be and he is hereby authorized and directed to execute for and in behalf of The Board of Trustees of the University of Illinois, Urbana, Illinois, the said First Amendment to the Grant Agreement, and that A. J. Janata, Secretary, be and he is hereby authorized and directed to attest said execution and to impress thereon the Official Seal of The Board of Trustees of the University of Illinois, Urbana, Illinois.

On motion of Mr. Swain, the resolution was adopted and execution of the same was authorized; Mr. Johnston was recorded as not voting.

## PURCHASES FOR FACULTY OF MEDICINE, CHIENGMAI HOSPITAL IN THAILAND

- (16) The Executive Vice-President and Provost has been authorized by the

President of the University and the Board of Trustees to act on recommendations for purchases of equipment and supplies for higher education institutions in India, which the University is servicing under contracts with the Agency for International Development and for which funds are supplied by the United States Government, to expedite placement of orders and deliveries.

It is recommended that this authorization be extended to include purchases under the AID contract for services to the Faculty of Medicine, Chiangmai Hospital in Thailand.

On motion of Mrs. Watkins, this recommendation was approved.

#### PURCHASES

(17) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

I concur.

#### *Chicago Colleges and Divisions*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One microscope and photomicrographic accessories	Histology	W. H. Kessel & Co., Chicago	\$ 6 213 55 delivered
40,000 tetracycline V capsules, 250 mg.; this product is an antibiotic drug which is used in the treatment of a variety of bacterial infections (this represents a six-month supply)	Pharmacy Stores	Upjohn Co., Chicago	5 340 00 delivered

#### *Urbana-Champaign Departments*

Reconstruction of flood control measures at the Vermilion River Observatory (radio telescope) located south-east of Danville	Astronomy	Elton A. Wagner Co., Danville	27 950 00 f.o.b. site
One electrophoresis system, paper type	Animal Science	Fisher Scientific Co., Chicago	2 607 00 f.o.b. delivered
One centrifuge, automatic, refrigerated, with two rotors and two automatic pipettes, to be used in the research of fractionating cells which contain radioactive constituents under sustained low temperature operations	Botany	Ivan Sorvall, Inc., Norwalk, Conn.	3 830 00 f.o.b. delivered
Two grating monochromators for separating soluble compounds in separate colored layers, to be used in research projects in the Photosynthesis Laboratory	Botany	Chicago Apparatus Co., Chicago	4 000 00 f.o.b. delivered and installed including one year free service
One spectrophotometer, infrared, large size recording, single or double beam, quick scan device, for use in various research programs in inorganic chemistry	Chemistry and Chemical Engineering	Beckman Instruments, Inc., Lincolnwood	4 905 00 f.o.b. delivered
One centrifuge, automatic, superspeed, refrigerated, with two rotors for use in sustained low temperature operations, suitable for use with corrosive solutions for biosynthesis research	Chemistry and Chemical Engineering	Ivan Sorvall, Inc., Norwalk, Conn.	2 855 00 f.o.b. delivered
Fabrication and balancing of two special gyro rotors, vacuum tight, helium filled, leak rate less than $10^{-9}$ STD, CC/SEC.; material, beryllium, sphericity 0.00010 T.I.R., finish 5 micro inches; diameter $2.0035 \pm .0035$	Coordinated Science Laboratory	Minneapolis-Honeywell Regulator Co., Minneapolis, Minn.	3 000 00 f.o.b. Minneapolis, Minn.
One high vacuum evaporator system, large capacity, 400 liters per second organic and hydrocarbon free pumping system, vacuum range to $10^{-7}$ mm Hg	Coordinated Science Laboratory	Varian Associates, Palo Alto, Calif.	16 256 00 f.o.b. delivered
One magnetic core matrix stack: 256 x 32 word select, approximate core dimensions 0.029 in. O.D., 0.020 in. I.D., 0.0065 in. high, short words divided into four planes of 64 words each, long (1024 bit) words, two-dimensional random-access operation	Digital Computer Laboratory	Electronic Memories, Inc., Los Angeles, Calif.	2 780 00 f.o.b. Los Angeles, Calif.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
1,020,000 data processing cards 60 reels without tape 60 reel containers 100 reels, each with 2,400 ft. magnetic tape Six ribbons, black	Digital Computer Laboratory	International Business Machines Corp., Springfield	\$ 6 013 32 f.o.b. delivered
One antenna system, special, for "sum" mode of monopulse operation, installed	Electrical Engineering	Granger Associates, Palo Alto, Calif.	30 780 00 f.o.b. delivered and installed
One oscilloscope, dual trace, plug-in type preamplifiers, with Null Read-out feature, frequency response DC to 500 KC	Electrical Engineering	Analab Instrument Corp., c/o Kidway Associates, Chicago	2 964 34 f.o.b. delivered
One universal line coupler to be used to permit coupling of the G-20 Bendix computer system to non-standard peripheral accessory equipment	Electrical Engineering	Bendix Corp., Computer Division, Chicago	18 500 00 f.o.b. Los Angeles, Calif.
One high vacuum pumping station with vacuum gauges and control unit for use in research on the surface behavior of liquids under high electric field condition by the Electrical Engineering Research Laboratory	Electrical Engineering	Vacuum-Electronics Corp., Chicago	4 372 00 f.o.b. delivered
One autoanalyzer with two-speed proportioning pump and photo-tube colorimeter for continuous colorimetric analysis of calcium, inorganic phosphates, microtrea, and creatinine in research into mineral metabolism in humans and animals	Home Economics	Technicon Instruments Corp., Chauncey, N.Y.	5 200 00 f.o.b. Chauncey, N.Y.
Laboratory services for re-balancing sound tracks and other improvements in the Mathematics Project film series, which includes twenty film titles which are jointly owned by the University and the National Educational Television and Radio Center	UICSM-Mathematics Project	Capital Film Laboratories, Washington, D.C.	7 866 39 f.o.b. delivered
One centrifuge, superspeed, refrigerated with two rotors, one of 1890 milliliter capacity and one of 400 milliliter capacity, for research studies on the purification of subcellular components and the separation and purification of bacterial enzymes and nucleic acids	Microbiology	Ivan Sorvall, Inc., Norwalk, Conn.	2 933 40 f.o.b. delivered
One multiple sample absorbance recorder, monochromator and accessories for spectrophotometric procedures used in the characterization of bacterial enzymes and bacterial nucleic acid preparations	Microbiology	Gilford Instrument Laboratories, Inc., Oberlin, Ohio	7 150 00 f.o.b. Oberlin, Ohio
One ultracentrifuge, preparative type with four rotor heads, 198,000 RPM x G speed, large capacity, refrigerated system	Microbiology	Spinco Division of Beckman Instruments, Inc., Palo Alto, Calif.	8 745 00 f.o.b. delivered
One electrophoresis column, large capacity, high separating power, stabilized and well defined experimental conditions; for preparative fractionation and purification of proteins, peptides, nucleic acids, nucleotides, and enzymes	Microbiology	LKB Instruments, Inc., Washington, D.C.	4 935 50 f.o.b. delivered
One metallograph, research microscope and camera for visual examination and photography of specimens in bright field, dark field or polarized light illumination, reflected or transmitted light	Mining, Metallurgy, and Petroleum Engineering	W. H. Kessel & Co., Chicago	8 454 70 f.o.b. delivered and installed
One X-ray machine, table model, complete with cable and supports, cooling hose, and vertical tube stand, suitable for use with interchangeable target tubes	Mining, Metallurgy, and Petroleum Engineering	Siemens New York, Inc., New York	2 710 00 f.o.b. delivered
Ten power supply systems, special, each consisting of two modular power supplies 95-125VAC 50-60 cps input, 20-VDC output variable $\pm 5$ per cent; two, ditto, except output voltage 10-VDC; two, ditto, 20VDC output, variable $\pm 10$ per cent; all 1.5 amperes	Physics	Technipower, Inc., c/o Kenneth W. Meyers Co., Chicago	10 950 00 f.o.b. delivered



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One magnetic resonance stabilizer, field control unit, including gauss probes, oscillator, lock in amplifier, power supply and amplifier	Physics	Harvey-Wells Corp., Framingham, Mass.	3 453 00 f.o.b. delivered
One field ion microscope with polaroid camera and mechanical pump	Physics	Central Scientific Co., Chicago	\$ 3 109 00 f.o.b. delivered
One special combination temperature and power controller	Theoretical and Applied	Research, Inc., Minneapolis, Minn.	2 947 45 f.o.b. delivered
One automatic programmer-reader	Mechanics		
One recorder, 6 in. strip chart, eight chart speeds, ten calibrated spans, 0.2 per cent accuracy with installed re-transmitting potentiometer	Theoretical and Applied Mechanics	F. L. Moseley Co., c/o Crossley Associates, Chicago	3 525 00 f.o.b. Pasadena, Calif.
One recorder, X-Y, time driven, 11 in. by 17 in. paper, sixteen DC calibrated ranges, eight AC calibrated ranges, eight chart speeds, accuracy 0.2 per cent			
One metallographic microscope, camera, and attachments	Theoretical and Applied Mechanics	W. H. Kessel & Co., Chicago	6 876 77 f.o.b. delivered and installed
One stereoscope and one compound microscope, each with accessories, to be used in Zoology research programs	Zoology	Eric Sobotka Co., Inc., New York, N.Y.	3 737 00 f.o.b. delivered
One ultracentrifuge, preparative type with three rotors with capacities of 15 milliliter, 100 milliliters, and 940 milliliters, refrigerated, speeds up to 198,000 rpm. x G	Zoology	Spinco Division Beckman Instruments, Inc., Palo Alto, Calif.	9 503 20 f.o.b. delivered
120 lessons on film and tape produced by the Encyclopedia Britannica Films	University High School	Encyclopedia Britannica Films, Wilmette	3 000 00 f.o.b. delivered
22 films, 16 mm., miscellaneous, color and black and white	Visual Aids Service	Films, Inc., Wilmette	3 180 00 f.o.b. delivered
Print and bind 15,000 copies of <i>Charting the Universe</i> , approximately 80 pages per copy, trim size 8½ in. by 11 in.	Education, Elementary Education Division	George Banta Co., Chicago	2 574 00 f.o.b. delivered
Print and bind 25,000 copies <i>High School Mathematics</i> , units 1 through 4, student edition, approximately 708 pages per copy, trim size 8½ in. by 11 in.	University Press	George Banta Co., Chicago	30 082 60 f.o.b. Menasha, Wis.
Print and bind 4,000 copies <i>High School Mathematics</i> , unit 1, student edition, approximately 164 pages per copy, trim size 8½ in. by 11 in.			
One portable basketball floor for the Assembly Hall, 60 ft. by 120 ft., wood construction, rubber cushioned, designed for single-upright basketball backstop installations; the floor will be completely finished and fitted	Assembly Hall	Cincinnati Floor Co., Cincinnati, Ohio	16 500 00 f.o.b. delivered and installed
Fifteen storage trucks, caster wheel mounted			
Furnish and install low-frequency radio paging system to include base station, 20 radio receivers, and 10 lapel speakers	Illini Union	Motorola Communica- tions & Electronics, Inc., Chicago	5 740 00 f.o.b. delivered and installed
80 receivers, television, hotel type, table model, 19-inch screen, to be furnished and installed in guest rooms of the Illini Union Building Addition	Illini Union	Lee School Supply Co., Inc., Terre Haute, Ind.	10 054 00 f.o.b. delivered and installed
Paper, English finish, book, white, as follows: 800 reams, 25 by 38—60 lb. 350 reams, 22½ by 35—49½ lb. 150 reams 25 by 38—70 lb.	Office Supply Storeroom	Decatur Paper House, Inc., Decatur	14 392 55 f.o.b. delivered
702 steel office chairs, upholstered, swivel, posture, and side chairs; deliveries are to be made to Urbana and Chicago storerooms on three shipping dates, namely, November 15, 1962, January 7, 1963, and April 15, 1963	Office Supply Storeroom	Milwaukee Metal Furniture Co., Chicago	15 654 87 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One street sweeper, self-propelled by gasoline engine, two cubic yard capacity complete with two gutter brushes and 49-inch wide main brush with a total sweeping swath of 8 ft. 6 in., to be used by Physical Plant Department to maintain parking lots, streets, and bicycle lanes	Physical Plant	Scruggs-Drake Equipment, Inc., Decatur	\$ 8 309 00 l.o.b. delivered
Seventy-one parking meters, sealed, single-cylinder type collection system, to be furnished and installed in the Blind Union drive and the parking lot at 601-03-05 East Healey Street, Champaign	Physical Plant	Duncan Parking Meter Co., Division of Nauter Corp., Chicago	4 230 54 l.o.b. delivered and installed
Special replacement parts for stoker No. 5 at Abbott Power Plant, as follows: 100 grate bars 20 3/4 in. pins for chain 2 top support rails, side 2 rear corner support rails	Physical Plant	Detroit Stoker Co., Monroe, Mich.	2 726 50 l.o.b. Monroe, Mich.

On motion of Mr. Johnston, these purchases were authorized.

#### COMPTROLLER'S REPORT OF CONTRACTS

(18) The Comptroller's report of contracts executed during the period September 1 to 30, 1962.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
G. and W. H. Corson, Inc.	Prospectus for lime-pozzolan mixtures	\$ 3 125 00	July 1, 1962
Dairy Industries Supply Association, Inc.	Study of problems relating to the dairy industry	2 050 00	September 14, 1962
Edison Electric Institute	Study of electrical heating	74 000 00	September 10, 1962
United States Air Force AF-AFOSR-6-63	Photoproduction of mesons in liquid hydrogen bubble chamber	47 050 00	July 1, 1962
United States Air Force AF 29 (601) 5535	Study of the dynamic soil-structure interaction characteristics of real soil media	79 377 00	September 1, 1962
United States Army DA-31-124-ARO (D)-35	Synthesis, reactions, and structures of certain sulfur-nitrogen compounds	56 311 00	September 1, 1962
United States Department of Health, Education, and Welfare OE-3-10-031	Rule-guided behavior and strategies in teaching	121 849 00	September 1, 1962
<b>Total</b>		<b>\$383 762 00</b>	

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
State's Attorney of Piatt County	Payment, in lieu of taxes, for services rendered (Allerton and Warren)	\$ 11 562 64	July 9, 1962

#### Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Delta Alumni of Sigma Phi Delta, Inc.	905-905 1/2 South Fifth Street, Champaign, from September 1, 1962, to June 30, 1963	\$ 5 500 00 (ten months rental)	July 31, 1962

#### Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
American Cyanamid Co.	Systemic insecticides for control of insects on wheat	\$ 1 000 00	June 25, 1962
American Society of Heating, Refrigerating, and Air Conditioning Engineers	Steam and condensate flow in pipes	5 000 00	September 1, 1962

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
American Steel & Wire Division	Behavior of deformed wire fabric in concrete	1 200 00	April 27, 1962
Bendix Corp.	High temperature thermal proper- ties of ceramic-metal combina- tions	\$ 28 656 25	September 15, 1962
Griffin Wheel Co.	Improvement of cast steel railway car wheels	13 489 29	June 14, 1962
Moorman Manufacturing Co.	Nutritional quality of pig starter rations	2 600 00	August 21, 1962
State of Illinois Depart- ment of Public Works and Buildings, Divi- sion of Highways IHR-2	Highway problems	16 500 00	August 20, 1962
State of Illinois Depart- ment of Public Works and Buildings, Divi- sion of Highways IHR-5	Riveted and bolted structural joints	10 000 00	August 20, 1962
State of Illinois Depart- ment of Public Works and Buildings, Divi- sion of Highways IHR-9	Impact on highway bridges	21 500 00	August 20, 1962
State of Illinois Depart- ment of Public Works and Buildings, Divi- sion of Highways IHR-10	Prestressed concrete highway bridges	29 000 00	August 20, 1962
State of Illinois Depart- ment of Public Works and Buildings, Divi- sion of Highways IHR-12	Soil exploration and mapping	30 000 00	August 20, 1962
State of Illinois Depart- ment of Public Works and Buildings, Divi- sion of Highways IHR-46	Soil-aggregate mixtures for highway pavement	25 500 00	August 20, 1962
State of Illinois Depart- ment of Public Works and Buildings, Divi- sion of Highways IHR-47	Chemical stabilization of soils	6 000 00	August 20, 1962
State of Illinois Depart- ment of Public Works and Buildings, Divi- sion of Highways IHR-53	Vehicular speed regulation	27 000 00	August 20, 1962
State of Illinois Depart- ment of Public Works and Buildings, Divi- sion of Highways IHR-58	Equipment for roadside cover	17 500 00	August 20, 1962
State of Illinois Depart- ment of Public Works and Buildings, Divi- sion of Highways IHR-59	Highway medians	18 500 00	August 20, 1962
State of Illinois Depart- ment of Public Works and Buildings, Divi- sion of Highways IHR-64	Welded highway structures	21 000 00	August 20, 1962
State of Illinois Depart- ment of Public Works and Buildings, Divi- sion of Highways IHR-65	Drainage laws and practices	14 000 00	August 20, 1962
State of Illinois Depart- ment of Public Works and Buildings, Divi- sion of Highways IHR-66	Woody ground cover	13 500 00	August 20, 1962

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-67	Grasses and their establishment	\$ 11 500 00	August 20, 1962
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-68	Guide lines for appraisals	20 000 00	August 20, 1962
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-69	Traffic linkage patterns	5 000 00	August 20, 1962
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-70	Social factors and traffic	8 500 00	August 20, 1962
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-71	Impact on urban real estate values	21 000 00	August 20, 1962
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-72	Creep in structural concrete	16 000 00	August 20, 1962
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-73	Fatigue failure in concrete	17 500 00	August 20, 1962
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-75	Seal coats and surface treatments	13 000 00	August 20, 1962
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-76	Lime stabilization of soils	17 000 00	August 20, 1962
United States Air Force AF 18 (600) 689	Properties of insulating and conducting solids	2 578 06	August 23, 1962
United States Air Force AF 29 (601) 2876	Effects of dynamic loads on soils and buried structures	25 000 00	May 9, 1962
United States Army DA 11-022-ORD-3467	Mechanical characteristics of polycrystalline NiO	19 070 00	September 10, 1962
United States Army DA 49-193-MD-2060	Interpersonal and psychological adjustment of group members	32 684 00	August 31, 1962
United States Bureau of Public Roads, Department of Commerce CPR 11-7768	Study on fatigue of welded beams and girders in structural and low alloy steels	30 000 00	July 1, 1962
VioBin Corp.	Fishmeal and fishmeal products in swine nutrition	1 500 00	August 1, 1962
<i>Total</i>		<u>\$542 277 60</u>	

This report was received for record.

#### RELEASE OF LANGUAGE-STUDY MATERIALS PREPARED UNDER CONTRACT WITH THE PEACE CORPS

(19) Certain instructional materials in the Gujrati language were prepared last summer under the University's contract with the Peace Corps, principally by Mr. Purushottam J. Mistry. These consisted of ten written lesson-units with coordinated magnetic tapes. Under University regulations, and in accordance with the contract with the Peace Corps, this material belongs to the University of Illinois, but the Peace Corps and other agencies of the federal government would be granted license-free use of them.

It is understood that the Peace Corps is contracting directly with Mr. Mistry for the production of some seven additional lesson-units for further training in India of the Peace Corps volunteers trained in Gujrati on this campus. Furthermore, Professor Page, the project director under the Peace Corps contract, indicates that the materials prepared last summer need substantial revision before they can be considered to be in satisfactory final form. Both he and Dean Dangerfield, Director of International Programs, state that the materials in their present form have little or no commercial value. Mr. Mistry has requested that the University of Illinois release to him the materials developed under the Peace Corps contract in order that he might improve and extend the instructional program in Gujrati, with the right to copyright and publish the materials if this seems desirable. Both Professor Page and Dean Dangerfield recommend approval of this request, with the stipulation that both the University and the Peace Corps and other agencies of the federal government would have the right to use the materials developed under the University's contract in their present form without payment of royalties or license fees.

The Executive Vice-President and Provost, the Vice-President and Comptroller, and the Legal Counsel endorse this recommendation.

I concur.

On motion of Mr. Johnston, this recommendation was approved.

#### GIFT OF ELECTRONIC CARILLON

(20) Mr. A. R. Staley, a member of the Class of 1931, has agreed to give the University of Illinois Foundation for the University at Urbana-Champaign a "Carillon Americana" having 305 bells, the largest carillon made by Schulmerich Carillons, Inc. of Sellersville, Pennsylvania. The playing console will be installed on the second floor of the University Auditorium and the stentors will be located on the northeast tower of Memorial Stadium. Mr. Staley has made this gift as a contribution to the program of the School of Music and to the cultural life of the campus. The Carillon will be played from time to time by mechanical means and by members of the staff of the School of Music.

The gift has been accepted by the Foundation and the President and is reported for record. I have already expressed appreciation on behalf of the University but the Board will also wish to record its appreciation.

The Carillon is being installed and it is anticipated that the work will be completed so that the first concert can be played on Saturday, November 24, on which day a brief dedicatory ceremony will also be held in the forenoon.

On motion of Mr. Pogue, acceptance of this gift by the University of Illinois Foundation and the President of the University was confirmed.

On motion of Mrs. Watkins, the Board recorded its appreciation of this gift, and the Secretary was instructed to send Mr. Staley an appropriate message on behalf of the Trustees.

#### REPORTS TO THE BOARD OF HIGHER EDUCATION OF ILLINOIS

(21) The University of Illinois has submitted to the State Board of Higher Education reports on new public service activities undertaken, new courses added, and new research and public service contracts negotiated, during the period August 22, 1961, through June 30, 1962.

The Board of Higher Education has requested such reports periodically, the first of these being for the period indicated which began when the Act creating that Board became effective and continuing through the end of the fiscal year 1961-62.

The University has also submitted to the State Board of Higher Education a statement of the procedures it follows in the initiation, review, and approval of new units of instruction, research, and public service.

Copies of these reports and statement are being submitted herewith for the information of the Board and copies are being filed with the Secretary of the Board for record.

These reports were received for record.

### MEMORIAL TO MRS. NELLIE VOIGHT FREEMAN

Mr. Pogue offered the following resolution.

The Board of Trustees records with deep sorrow the death on October 14, 1962, of Mrs. Nellie Voight Freeman of Mattoon, a former member of this Board.

Mrs. Freeman (Nellie Voight) was born in Mattoon March 12, 1873. She married Dr. T. O. Freeman of that city in December, 1898, who died in October, 1932.

Mrs. Freeman devoted much of her life to education and to civic affairs — as a teacher in the public schools of Mattoon, prior to her marriage, as an officer at the local and state levels in parent-teacher associations, as an officer of the Women's Auxiliary of the Illinois State Medical Society, in the Business and Professional Women's Club of her community, and as a worker for her church.

Mrs. Freeman served as a member of the Board of Trustees of the University of Illinois from 1933-39, and on its Committees on Buildings and Grounds, Agriculture, Chicago Departments, and Student Welfare and Activities, being Chairman of the latter Committee for five years. In all these assignments she discharged her responsibilities faithfully and effectively.

The Board of Trustees desires to pay tribute to the memory of a former colleague who served her community and the state of Illinois, by incorporating this resolution in the official minutes of today's meeting and by sending copies to the surviving members of Mrs. Freeman's family as an expression of the Board's sympathy.

This resolution was unanimously adopted.

### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations, declinations, and cancellations; leaves of absence; retirements.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ADAMS, ROBERT K., Instructor in Architecture (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$6,500 (10-3-62).

ALEXOPOULOS, GEORGE G., Instructor in Physics (Chicago Undergraduate Division), ½ time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, \$1,200 (10-2-62).

ANDERSON, RACHEL E., Assistant Editor in the University Press, ½ time, one year from September 1, 1962, \$3,125, supersedes (9-14-62).

ANDREWS, JAMES A., Instructor in Accountancy (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$5,200 (9-7-62).

ARO, AURELIA M., Instructor in Pharmacognosy and Pharmacology (Pharmacy), ½ time, academic year beginning September 1, 1962, \$2,800, supersedes (10-1-62).

ARONSON, ALAN R., Clinical Instructor in Medicine (Medicine), ½ time, one year from September 1, 1962, \$1,500 (8-29-62).

AZUMA, YASUO, Research Associate in Food Technology (S), one year from September 1, 1962, \$5,850 (9-7-62).

BAKER, JAMES L. L., Research Assistant and Assistant in Mechanical Engineering (C), nine months from September 16, 1962, \$5,000 (9-14-62).

BALES, RETTA E., Assistant Director of Admissions and of Clinics (Research and Educational Hospitals), one year from September 1, 1962, \$9,450, supersedes (9-7-62).

BARD, BEVERLY S., Research Assistant in the Institute for Research on Exceptional Children, nine months from September 16, 1962, \$4,900 (9-13-62).

BEERS, RAY F., JR., Clinical Assistant Professor of Medicine (Medicine), ¾ time, one year from September 1, 1962, \$3,600 (8-29-62).

BEEVERS, LEONARD, Research Associate in Plant Physiology (Agronomy) (S), one year from September 1, 1962, \$6,500 (9-7-62).

BENZEL, JAMES F., Research Associate in Ceramic Engineering (S), ½ time, September 15, 1962-August 31, 1963, \$3,300 a year, supersedes (10-3-62).

- BERGERON, CLIFTON G., Research Assistant Professor of Ceramic Engineering (C and S), full time from September 1-15, 1962, and June 16-August 31, 1963, \$6,795 a year, and  $\frac{1}{2}$  time from September 16, 1962-June 15, 1963, \$4,705 a year, supersedes (9-11-62).
- BLAHA, GORDON C., Instructor in Anatomy (Medicine), one year from September 1, 1962, \$6,000 (8-29-62).
- BOCKMAN, DALE E., Instructor in Anatomy (Medicine), one year from September 1, 1962, \$7,000 (9-12-62).
- BOOTH, ALFRED W., Professor of Geography, Peace Corps Training Office (Provost's Office), September 1-15, 1962, \$220; this is in addition to his present appointment (9-14-62).
- BOSMA, E. GAYLE C., Research Assistant in Physiology and Biophysics, one year from September 1, 1962, \$4,900 (9-13-62).
- BOYLE, MRS. JUDITH E., Research Assistant in Education (University High School), nine months from September 16, 1962, \$4,000 (9-13-62).
- BRANCH, BEVERLY, Assistant in French, nine months from September 16, 1962, \$4,800 (9-7-62).
- BRENT, GEORGE W., Instructor in Prosthodontics (Dentistry),  $\frac{7}{10}$  time, one year from September 1, 1962, \$5,250, supersedes (10-1-62).
- BROADRICK, KING W., Associate Professor of Speech,  $\frac{3}{4}$  time, indefinite tenure, and Assistant Dean of the College of Liberal Arts and Sciences,  $\frac{1}{2}$  time, one year, to render service during each academic year beginning September 1, 1962, \$9,100 a year; Associate Professor of Speech, full time, indefinite tenure from September 1, 1963, supersedes (9-14-62).
- BRODY, MRS. LITA H., Assistant in Medicine (Medicine), one year from September 1, 1962, \$5,600 (10-1-62).
- CALAHAN, DONALD A., Assistant Professor of Electrical Engineering (C), one month from August 16, 1962, \$811.11; this is in addition to his present appointment (9-14-62).
- CARLIER, ROBERT G., Assistant in Education and Assistant Principal of University High School, September 16, 1962-January 31, 1963, \$3,375, and Assistant in Education (University High School), February 1-June 15, 1963, \$3,000, supersedes (9-27-62).
- CARROLL, JOHN A., Program Director of the Illini Union, one year from September 1, 1962, \$8,000, supersedes nonacademic appointment (9-28-62).
- CESSNA, KENNETH, Assistant Extension Editor, with rank of Instructor (E), September 16, 1962-August 31, 1963, \$6,800 a year (10-2-62).
- CHANDLER, HUGH S., Instructor in Philosophy, academic year beginning September 1, 1962, \$6,200 (9-14-62).
- CHURCHICH, JORGE E., Research Associate in Chemistry, eleven months from October 1, 1961, \$7,330 a year (9-11-62).
- CLAUSING, ARTHUR M., Research Assistant in Mechanical Engineering (C), nine months from September 16, 1962, \$5,000 (9-13-62).
- COOMBS, FRED S., Assistant in Education (University High School), nine months from September 16, 1962, \$5,400 (9-13-62).
- COMPTON, MARION, Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1962, \$5,300, supersedes (9-17-62).
- CROW, SAMUEL E., Extension Specialist in Firemanship Training (Division of University Extension), eleven months from October 1, 1962, \$7,900 a year (9-26-62).
- CURTIS, LELIA A., House Director, Beta Cooperative House, ten months from September 1, 1962, \$2,200; for the convenience of the University she will receive room and board valued at \$31 a month (9-27-62).
- CUTLER, DOUGLAS, Research Associate in Metallurgical Engineering (C), October 15, 1962-August 31, 1963, \$8,000 a year (10-1-62).
- DADMUN, STEWART E., Instructor in Medicine (Medicine),  $\frac{3}{4}$  time, four months from September 1, 1962, \$200 a month (8-29-62).
- DAI, PETER K., Research Associate in Civil Engineering (C and S), academic year beginning September 1, 1962, \$6,500, supersedes (10-2-62).
- DANIELZADEH, ALBERT, Research Assistant in Biological Chemistry (Medicine), one year from September 1, 1962, \$4,900 (8-29-62).
- DAVIS, CHARLES S., Instructor in Medicine (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1962, \$3,750 (9-14-62).

- DEES, DENZIL E., Instructor in Veterinary Anatomy and Histology (College of Veterinary Medicine),  $\frac{3}{4}$  time, one year from September 1, 1962, \$4,850 (9-14-62).
- DENMARK, WILLIAM L., Assistant Professor of Climatology (Horticulture) (S), one year from September 1, 1962, without salary (10-2-62).
- DERRICK, LUCILE, Special Administrative Appointment, Office of the Vice-President (Chicago Undergraduate Division),  $\frac{1}{4}$  time, one month from July 1, 1962, \$302.77; this is in addition to her previous appointment (10-3-62).
- DIMICK, ROBERT C., Assistant in Mechanical Engineering (C), nine months from September 16, 1962, \$4,400, supersedes (10-1-62).
- DINGER, SHARON, Research Assistant in Physiology and Biophysics, one year from September 1, 1962, \$5,200 (10-2-62).
- DIVILBISS, JAMES L., Research Associate in the Coordinated Science Laboratory (C), one year from September 1, 1962, \$11,000, supersedes (9-4-62).
- DOLNEY, EDWIN L., Research Associate in Education (University High School),  $\frac{1}{4}$  time, academic year beginning September 1, 1962, \$1,500 (10-3-62).
- EADES, JAMES L., Research Assistant Professor of Geology, one year from September 1, 1962, \$9,000 (9-21-62).
- ELLIOTT, BRUCE D., Research Associate in the Coordinated Science Laboratory (C),  $\frac{1}{2}$  time, one year from September 1, 1962, \$3,600 (10-1-62).
- ELSEY, JOHN C., Research Associate in the Coordinated Science Laboratory (C), one year from September 1, 1962, \$7,100 (10-3-62).
- EVANS, CLARYCE L., Research Associate in Education (University High School), academic year beginning September 1, 1962, \$5,900, supersedes (9-14-62).
- FAIR, ARMOR J., Instructor in Management (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$6,500 (9-14-62).
- FARA, HARRY, Research Associate in Petroleum Engineering (C), September 1-15, 1962, \$666.67 a month; this is in addition to his present appointment (9-14-62).
- FARHI, EDNA S., Research Assistant in Physiology and Biophysics, one year from September 1, 1962, \$4,900 (9-13-62).
- FEDER, CECILE S., Instructor in Mathematics (Chicago Undergraduate Division),  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$3,000 (9-28-62).
- FELDMAN, SHELDON, Research Associate in Psychology,  $\frac{1}{3}$  time, and in the Institute of Communications Research,  $\frac{2}{3}$  time, June 16, 1962-May 31, 1963, \$722.22 a month, supersedes; and Research Associate in Psychology,  $\frac{1}{3}$  time, June 1-15, 1963, \$120.37 (9-7-62).
- FIEDLER, MARY A., Research Assistant in Preventive Medicine (Medicine), eleven months from October 1, 1962, \$6,300 a year, supersedes (10-3-62).
- FIELDS, R. JOANNE, Instructor in Library Science, one year from September 1, 1962, \$6,120, supersedes nonacademic appointment (9-7-62).
- FILBEY, MARY L., Assistant to the Dean of Women,  $\frac{1}{2}$  time, nine months from September 16, 1962, \$2,000 (9-7-62).
- FLYNN, JAMES D., Supervisor of Counseling in the Student Rehabilitation Center with rank of Instructor, (College of Physical Education), one year from September 1, 1962, \$7,000 (9-14-62).
- FRANKMANN, MRS. JUDITH P., Assistant Professor of Psychology,  $\frac{1}{3}$  time, academic year beginning September 1, 1962, \$2,400 (9-14-62).
- FRATICELLI, JOANNE C., Assistant in Occupational Therapy (Medicine), September 10, 1962-August 31, 1963, \$6,000 a year (8-29-62).
- FRENCH, WILBUR L., Research Associate in Zoology, one year from September 1, 1962, \$7,500 (10-2-62).
- FREUND, ERIC C., Research Associate in the Bureau of Community Planning, one month from September 1, 1962, \$641.75 (10-3-62).
- FUKAZAWA, KAICHI, Research Associate in Food Technology (S), one year from September 1, 1962, \$7,000, supersedes (10-3-62).
- GALLI, ALESSANDRO, Research Associate in Chemistry, one year from September 1, 1962, \$6,000 (9-13-62).
- GIBBS, ERICH, Research Assistant in Psychiatry (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1962, \$2,450 (10-2-62).
- GILBERT, ROBERT L., Instructor in Physics (Chicago Undergraduate Division),  $\frac{1}{3}$  time, five months from September 1, 1962, \$240 a month (10-3-62).



- GOLDEN, WILLIAM M., Research Associate in Education (University High School), one year from September 1, 1962, \$9,900 (9-11-62).
- GÖTZ, GERTRUDE, Assistant in Home Economics (S), in the Physical Environment Unit, and in Mechanical Engineering, one year from September 1, 1962, \$5,400 (9-28-62).
- GRANT, EMERSON W., Adjutant, Military Science, 1/10 time, one year from September 1, 1962, \$600 (9-28-62).
- GRANT, RHODA, Research Associate in Pathology (Medicine), one year from September 1, 1962, \$8,000 (10-2-62).
- GRAY, PETER V., Research Assistant in Electrical Engineering (S), one year from September 1, 1962, \$5,600 (9-27-62).
- HAASE, GERHARD H., Clinical Instructor in Medicine (Medicine),  $\frac{1}{4}$  time, one year from September 1, 1962, \$1,900 (8-29-62).
- HAGENBERGER, CHERYL M., Assistant in English (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,300 (9-13-62).
- HALFORD, GARY R., Instructor in Theoretical and Applied Mechanics (C), 66/100 time, academic year beginning September 1, 1962, \$3,800 (10-3-62).
- HARDING, MRS. SARAH K., Research Associate in Veterinary Pathology and Hygiene (College of Veterinary Medicine), September 15, 1962-August 31, 1963, \$5,850 a year (9-14-62).
- HERNDON, MARY S., Instructor in Home Economics (C), academic year beginning September 1, 1962, \$6,300 (9-14-62).
- HIBNICK, HERBERT, Special Lecturer in Pharmacy (Pharmacy),  $\frac{3}{5}$  time, January 2-March 16, 1963, \$240 a month (9-4-62).
- HILDRETH, MILDRED L., Assistant Reference Librarian, with rank of Instructor, September 12, 1962-August 31, 1963, \$6,500 a year (9-17-62).
- HILKER, GLORIA, Assistant Professor of Hygiene and Medical Adviser for Women in the Health Service (Chicago Undergraduate Division),  $\frac{3}{5}$  time, one year from September 1, 1962, \$7,200, supersedes (9-14-62).
- HINDLEY, RICHARD D., Research Associate in Education (University High School), academic year beginning September 1, 1962, \$5,800 (9-13-62).
- HINRICHSSEN, COLIN, Research Assistant in Pedodontics (Dentistry), one year from September 1, 1962, \$5,000 (9-27-62).
- HOCHMAN, LAWRENCE S., Clinical Instructor in Surgery (Medicine), without salary, and Instructor in Oral and Maxillofacial Surgery (Dentistry),  $\frac{1}{2}$  time, \$3,500, one year from September 1, 1962 (8-29-62).
- HODGES, THOMAS K., Research Associate in Agronomy (S), September 6, 1962-August 31, 1963, \$6,500 a year (10-2-62).
- HOFFMAN, FREDERICK, Instructor in Mathematics, academic year beginning September 1, 1962, \$6,500 (9-13-62).
- HOGG, LORETTA A., Research Assistant in Microbiology, nine months from September 16, 1962, \$4,000 (10-2-62).
- HONMA, TOSHIO, Visiting Assistant Professor of Physical Metallurgy (C), one year from September 1, 1962, \$8,000, supersedes (9-7-62).
- HULSIZER, ROBERT I., JR., Professor of Physics (C), September 1-15, 1962, \$741.67; this is in addition to his present appointment (9-14-62).
- IVENS, VIRGINIA, Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1962, \$7,000, supersedes (9-7-62).
- JOHNSON, HAROLD J., Research Associate,  $\frac{3}{5}$  time, and Instructor,  $\frac{1}{3}$  time, in Psychology, academic year beginning September 1, 1962, \$7,100, supersedes (9-17-62).
- JULIAN, JAMES W., Research Associate in Psychology, one year from September 1, 1962, \$8,000 (9-17-62).
- JUNKER, DARREL D., Assistant in Animal Science (S), one year from September 1, 1962, \$5,000 (10-2-62).
- KAHLER, DAVID T., Instructor in Architecture, academic year beginning September 1, 1962, \$6,500 (9-14-62).
- KAHNE, STEPHEN J., Research Associate in the Coordinated Science Laboratory,  $\frac{3}{4}$  time, September 1, 1962-June 15, 1963, and full time, June 16-August 31, 1963, \$4,650; and Instructor in Electrical Engineering,  $\frac{1}{4}$  time, September 16, 1962-June 15, 1963, \$1,200; total salary September 1, 1962, through August 31, 1963, \$5,850 (8-24-62).

- KATAGUE, DAVID B., Instructor in Chemistry (Pharmacy),  $\frac{1}{2}$  time, to render service during the academic year, September 16, 1962-August 31, 1963, \$3,000 a year (9-26-62).
- KIESLER, DONALD, Instructor in Psychology,  $\frac{1}{3}$  time, to render service during the first semester of the academic year, September 1, 1962-February 28, 1963, \$1,000 (9-4-62).
- KILLIAN, PAULETTA L., Research Assistant in Chemistry, one year from September 1, 1962, \$5,400 (10-1-62).
- KOTK, JUTA V., Assistant Professor of Medicine (Medicine),  $\frac{3}{4}$  time, one year from September 1, 1962, \$10,500 (8-29-62).
- KONITZKI, JOSEPH F., Assistant to Director of the Student Rehabilitation Center with rank of Instructor, (College of Physical Education), one year from September 1, 1962, \$8,000 (10-3-62).
- KOOB, JUDITH L., Research Assistant in Chemistry, September 10, 1962-August 31, 1963, \$5,800 a year, supersedes (10-1-62).
- KULIS, JOHN C., Clinical Instructor in Medicine (Medicine), 12/100 time, one year from September 1, 1962, \$900 (8-29-62).
- LEVINGS, CHARLES S., III, Assistant in Plant Breeding (Agronomy) (S), two months from September 1, 1962, \$450 a month (8-27-62).
- LEWIS, L. DEAN, Associate Professor of Hygiene and Staff Physician in the Health Service,  $\frac{1}{2}$  time, September 1, 1962-June 15, 1963, \$5,455 (8-29-62).
- LONG, CHESTER C., Assistant Professor of Speech and Theatre, academic year beginning September 1, 1962, \$7,000, supersedes (9-14-62).
- LOOMIS, F. WHEELER, Professor of Physics (C),  $\frac{1}{3}$  time, one year from September 1, 1962, \$7,200 (9-14-62).
- LOW, LEONE, Instructor in Mathematics, academic year beginning September 1, 1962, \$7,000 (9-14-62).
- MACNEIL, ELIZABETH, Assistant in Pediatrics (College of Nursing), one year from September 1, 1962, \$6,000 (8-29-62).
- MALHOTRA, OM P., Instructor in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), one year from September 1, 1962, \$9,150, supersedes (9-25-62).
- MALTER, RICHARD F., Psychometrist in the Student Counseling Service (Chicago Undergraduate Division), one year from September 1, 1962, \$5,400 (9-4-62).
- MARIN-RICAUD, LOURDES, Research Assistant in Anthropology, September 24, 1962-August 31, 1963, \$4,900 a year (10-3-62).
- MAY, WILLIAM H., Research Associate in the Institute of Communications Research (College of Journalism and Communications), one year from September 1, 1962, \$6,000 (9-14-62).
- MCCAMISH, JOAN, Instructor in Microbiology, academic year beginning September 1, 1962, \$7,500 (9-7-62).
- MCCOWEN, THOMAS A., Assistant Coordinator in the Office of the Coordinator of International Cooperation Programs (Provost's Office), eleven months from October 1, 1962, \$6,300 a year (8-24-62).
- MCDONALD, OWEN G., Clinical Assistant Professor of Surgery (Medicine),  $\frac{1}{4}$  time, one year from September 1, 1962, \$2,400 (8-29-62).
- MCGUIRE, EDWARD, Research Assistant in Biological Chemistry (Medicine), one year from September 1, 1962, \$4,900 (8-29-62).
- MCIVER, JAMES M., Research Assistant in Surgery (Medicine), one year from September 1, 1962, \$7,200 (8-29-62).
- McKIBBIN, BRIAN, Clinical Instructor in Surgery (Medicine), 35/100 time, September 4, 1962-August 31, 1963, \$2,200 a year (10-2-62).
- MEDROW, ROBERT A., Assistant in Mechanical Engineering (C), nine months from September 16, 1962, \$4,400 (9-13-62).
- MEERMAN, GERARDINE, Research Assistant in Chemistry, nine months from September 16, 1962, \$4,500 (8-27-62).
- MEUWESE, WILHELMUS A. T., Research Associate in Psychology,  $\frac{2}{3}$  time, and Instructor in Psychology,  $\frac{1}{3}$  time, academic year beginning September 1, 1962, \$6,600 (9-4-62).
- MEYER, JULIA, Assistant Professor of Oral Pathology (Dentistry), one year from September 1, 1962, \$11,500 (10-2-62).
- MILLER, LAURENCE H., Bibliographer in the Library with rank of Instructor, one year from September 1, 1962, \$7,200, supersedes (10-3-62).

- MONTGOMERY, CLARK A., Instructor in Medicine (Medicine),  $\frac{3}{4}$  time, one year from September 1, 1962, \$4,600 (8-29-62).
- MORRISON, SHERMAN W., Instructor and Registered Pharmacist in Manufacturing Pharmacy (Pharmacy), eleven months from October 1, 1962, \$7,900 a year (10-2-62).
- MUHLSTADT, WILLIAM J., Assistant and Research Assistant in Ceramic Engineering (C), nine months from September 16, 1962, \$4,200, supersedes (8-29-62).
- MURTY, N. R., Research Associate in Botany (Photosynthesis), one year from September 1, 1962, \$7,900 (10-1-62).
- NAIKELIS, UGNYS S., Instructor in Mathematics (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$5,800 (9-14-62).
- NAM, NGUYEN HOANG, Research Associate in the Radiocarbon Laboratory, one year from September 1, 1962, \$6,600 (8-24-62).
- NAMTVEDT, MRS. MARY J., Research Assistant in Chemistry, one year from September 1, 1962, \$5,700 (8-27-62).
- NAVARRETE, DELIA A., Assistant in Home Economics (S), one year from September 1, 1962, \$5,200 (8-29-62).
- NARASINGA-RAO, KOTCHERLAKOTA V., Research Associate in Electrical Engineering (S), one year from September 1, 1962, \$7,500 (9-14-62).
- NARAYANASAMY, R., Research Associate in the Coordinated Science Laboratory and Instructor in Electrical Engineering (C),  $\frac{2}{3}$  time, one year from September 1, 1962, \$3,920 (9-7-62).
- NEILL, DAVID M., Assistant in Electrical Engineering (Chicago Undergraduate Division), nine months from September 16, 1962, \$6,000 (10-2-62).
- NEWMAN, GERALD A., Research Associate in Chemistry, one year from September 1, 1962, \$5,850 (9-13-62).
- NOTZOLD, RICHARD A., Instructor in Veterinary Anatomy and Histology (College of Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station), one year from September 1, 1962, \$7,700, supersedes (9-7-62).
- NUTTALL, JOHN L., JR., Assistant Director of International Programs (Provost's Office), eight months from January 1, 1963, \$8,000 a year (10-2-62).
- OETTING, GEORGE D., Administrative Officer in Air Force Science, 1/10 time, one year from September 1, 1962, \$600 (9-28-62).
- OSBORN, HOWARD, Research Associate Professor of Mathematics, one month from August 1, 1962, \$1,089; this is in addition to his present appointment (9-14-62).
- PEDERSOLI, WALDIR M., Instructor in Veterinary Physiology and Pharmacology (College of Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station),  $\frac{2}{3}$  time, one year from September 1, 1962, \$4,850 (9-7-62).
- PENEV, LUBEN C., Clinical Instructor in Medicine (Medicine), 12/100 time, one year from September 1, 1962, \$900 (8-29-62).
- PERRY, MRS. AIKO KINJO, Assistant in Home Economics (C and S), one year from September 1, 1962, \$5,400 (8-29-62).
- PETERSON, DONALD R., Associate Professor in charge of the Psychological Clinic (Psychology), on indefinite tenure from September 1, 1962, \$12,850 a year, supersedes (10-1-62).
- PINKERTON, MARY, Research Assistant in Chemistry, one year from September 1, 1962, \$5,900 (8-29-62).
- POLLOCK, MICHAEL L., Instructor in Physical Education for Men,  $\frac{2}{3}$  time, and Counselor on the University Council on Teacher Education,  $\frac{1}{3}$  time, academic year beginning September 1, 1962, \$5,800, supersedes (9-11-62).
- PROBST, FRANK M., Research Associate in the Coordinated Science Laboratory and in Physics (C), one year from September 1, 1962, \$9,800 (9-7-62).
- RAFF, LIONEL M., Research Associate in Chemistry, five months from September 1, 1962, \$2,750 (10-3-62).
- RANSFORD, RALPH E., Lecturer, with rank of Assistant Professor in Anatomy (Medicine),  $\frac{1}{2}$  time, nine months from October 1, 1962, \$557 a month (9-12-62).
- RAO, PILLARISSETTY J., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine),  $\frac{3}{4}$  time, eleven months from October 1, 1962, \$4,800 a year (10-3-62).

- REILLY, JAMES R., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine),  $\frac{3}{4}$  time, one year from September 1, 1962, \$4,800, supersedes (10-3-62).
- REISNER, SALOMON H., Research Associate in Pediatrics (Medicine), one year from September 1, 1962, \$7,000 (10-2-62).
- RICH, CATHERINE L., Research Assistant in Neurology (Medicine), July 1, 1962-August 31, 1963, \$6,972 a year (10-3-62).
- ROSE, CRONWELL A., Research Assistant in Preventive Medicine (Medicine), eleven months from October 1, 1962, \$6,300 a year (10-3-62).
- ROSS, JUNE R. P., Research Associate in the State Geological Survey, one year from October 1, 1962, \$6,900 (9-14-62).
- ROSS, ROBERT C., Leader of Foreign Agriculture Visitors and Assistant Coordinator, International Cooperation Programs (E),  $\frac{1}{2}$  time, one year from September 1, 1962, \$6,750 (9-14-62).
- RUBENIS, MARY E., Research Assistant in Medicine (Medicine), one year from September 1, 1962, \$6,350 (10-3-62).
- RUSO, ALEXANDER J., Assistant in the Radiocarbon Laboratory, nine months from September 16, 1962, \$4,050 (8-24-62).
- RYDER, WALTER R., Assistant in Industrial Engineering (C), nine months from September 16, 1962, \$4,500 (9-7-62).
- SAADEH, IBRAHIM Q., Research Associate in Education, one year from September 1, 1962, \$9,000 (9-14-62).
- SACKS, LAWRENCE J., Research Assistant in Chemistry, August 16-31, 1962, \$222.50 (9-27-62).
- SANDBERG, MRS. KAREN R., Research Assistant in Chemistry (Pharmacy), September 16, 1961-August 31, 1963, \$4,900 a year (10-1-62).
- SANGHVI, INDRAVADAN S., Research Assistant in Pharmacology (Medicine), one year from September 1, 1962, \$5,000 (10-3-62).
- SCHFEIDEGGER, ADRIAN E., Professor of Petrophysics (Mining, Metallurgy, and Petroleum Engineering) (C), September 1-15, 1962, \$1,333.33 a month; this is in addition to his present appointment (10-3-62).
- SCHROER, DAVID E., Instructor in Mathematics, academic year beginning September 1, 1962, \$7,700 (10-2-62).
- SEILHEIMER, RICHARD A., Assistant in Industrial Engineering (C), nine months from September 16, 1962, \$6,000 (10-2-62).
- SHAFTER, HAROLD A., Clinical Assistant Professor of Medicine (Medicine),  $\frac{1}{4}$  time, one year from September 1, 1962, \$2,400 (8-29-62).
- SHTOHRYN, DMYTRO M., Cataloger in the Library, with rank of Instructor, one year from September 1, 1962, \$7,800, supersedes (10-3-62).
- SHUMAN, FRANK H., Foreign Visitor Consultant in International Cooperation Programs (Provost's Office),  $\frac{1}{2}$  time, one year from September 1, 1962, \$2,520 (10-1-62).
- SIEGFRIED, ROBERT, Associate Professor of Chemistry in the Division of General Studies,  $\frac{1}{2}$  time, and in the Department of Chemistry,  $\frac{1}{2}$  time, indefinite tenure from September 1, 1962, to render service during each academic year, \$8,900 a year (10-2-62).
- SIMONSEN, ELAINE, Assistant in Education (University High School), nine months from September 16, 1962, \$4,000 (10-2-62).
- SINHA, MRS. INDU B., Research Assistant in Plant Pathology (S), one year from September 1, 1962, \$5,000 (8-29-62).
- SKORA, ROBERT, Research Assistant in Biological Chemistry (Medicine), one year from September 1, 1962, \$4,900 (8-29-62).
- SMITH, GARTH, Clinical Assistant Professor of Psychiatry (Medicine),  $\frac{3}{10}$  time, one year from September 1, 1962, \$3,300 (10-2-62).
- SMITH, JAMES L., Research Assistant in Civil Engineering (S), nine months from September 16, 1962, \$5,000, supersedes (9-13-62).
- SMITH, RICHARD K., Instructor in History (Chicago Undergraduate Division),  $\frac{2}{5}$  time, ten months from September 1, 1962, \$2,200 (9-7-62).
- SOHN, DAVID M., Clinical Instructor in Surgery (Medicine), without salary, and Instructor in Oral and Maxillofacial Surgery (Dentistry),  $\frac{1}{2}$  time, one year from September 1, 1962, \$1,400 (8-29-62).
- STAMBAUGH, MARY K., Research Assistant in Microbiology, one year from September 1, 1962, \$6,000 (9-13-62).

- STEIN, HERBERT J., Instructor in Electrical Engineering (C), academic year beginning September 1, 1962, \$5,500 (9-17-62).
- STOOPS, BETTY, Extension Specialist in Audio-Visual Aids Service (Division of University Extension), to render Service during the academic year, October 1, 1962-June 30, 1963, \$888.89 a month (9-28-62).
- SWANSON, JUDITH E., Research Assistant in Microbiology, one year from September 1, 1962, \$5,390 (10-2-62).
- TAMAI, TABASI, Research Associate in Physiology and Biophysics, one year from September 1, 1962, \$6,000 (10-2-62).
- TANAKA, RYO, Research Associate in Psychiatry (Medicine), one year from September 1, 1962, \$7,500 (10-2-62).
- TAULBER, DALE B., Instructor in Theoretical and Applied Mechanics (C),  $\frac{1}{4}$  time, September 16, 1962-January 31, 1963, \$750 (10-3-62).
- TAYLOR, SUSAN, Assistant in English (Division of English for Foreign Students), nine months from September 16, 1962, \$4,500 (8-27-62).
- TESTA, DANIEL P., Instructor in Spanish, academic year beginning September 1, 1962, \$6,500, supersedes (10-3-62).
- THOMAS, MARY R., Instructor in the Jane Addams Graduate School of Social Work, academic year beginning September 1, 1962, \$7,000, supersedes (9-14-62).
- TOMITA, MASAO, Instructor in Anesthesiology (Surgery) (Medicine),  $\frac{2}{3}$  time, August 29, 1962-August 31, 1963, \$4,250 a year (10-2-62).
- TRUSS, HILMAN L., Jr., Registered Pharmacist in Hospital Pharmacy (Pharmacy), one year from September 1, 1962, \$7,000 (8-29-62).
- UNZICKER, JOHN D., Research Associate in the State Natural History Survey,  $\frac{1}{2}$  time, nine months from September 1, 1962, \$2,400 a year, and full time, three months from June 1, 1963, \$4,800 a year (8-29-62).
- VARZANDEH, MASSOUD, Research Associate in Radiology (Medicine), one year from September 1, 1962, \$9,600 (9-27-62).
- VESTLING, MRS. CHRISTINA M., Assistant in Library Science, one year from September 1, 1962, \$5,700 (9-12-62).
- VON LEHMEN, ALICE A., Research Assistant in Zoology, nine months from September 16, 1962, \$4,000 (9-27-62).
- WALLACE, JAMES D., Instructor in Philosophy, academic year beginning September 1, 1962, \$6,200 (8-24-62).
- WALTER, JOHN H., Research Associate Professor of Mathematics, one month from August 11, 1962, \$1,000; this is in addition to his present appointment (9-14-62).
- WANG, SHU-YUNG, Research Associate in Oral Pathology (Dentistry),  $\frac{3}{10}$  time, one year from September 1, 1962, \$2,760 (10-1-62).
- WARE, EDWARD E., Research Assistant Professor in the Institute of Communications Research,  $\frac{1}{4}$  time, and Assistant Professor of Journalism,  $\frac{1}{4}$  time, academic year beginning September 1, 1962, \$8,200 (9-7-62).
- WATANABE, TAKESI, Visiting Research Associate in Mathematics, nine months from September 16, 1962, \$5,000 (4-23-62).
- WATRACH, ADOLF M., Professor of Pathology and Hygiene (College of Veterinary Medicine), indefinite tenure from September 1, 1962, to render service during each academic year, \$11,000 a year, supersedes (9-7-62).
- WATRACH, MRS. MARIAN N., Research Associate in Veterinary Pathology and Hygiene (College of Veterinary Medicine),  $\frac{4}{5}$  time, one year from September 1, 1962, \$5,760 (10-1-62).
- WATSON, EDWARD A., Assistant in English (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,600 (9-13-62).
- WEBB, RICHARD S., Jr., Instructor in Surgery (Medicine),  $\frac{9}{10}$  time, one year from September 1, 1962, \$7,650 (7-17-62).
- WEINMAN, KARLA P., Research Assistant in Physiology and Biophysics, September 16, 1962-January 31, 1963, \$444.44 a month (9-13-62).
- WILSON, EULINE D., Assistant in Mining, Metallurgy, and Petroleum Engineering (C),  $\frac{1}{2}$  time, and Assistant in Verbal Communication (Division of General Studies),  $\frac{1}{2}$  time, nine months from September 16, 1962, \$5,000, supersedes (9-11-62).
- WINNIKOW, S., Assistant in Mechanical Engineering (C), nine months from September 16, 1962, \$5,000 (9-17-62).

- WOLFE, SHARON, Research Associate in the Institute of Communications Research and in Psychology, one year from September 1, 1962, \$6,000 (10-3-62).  
WOODHALL, BRIAN J., Research Associate in Chemistry, August 23, 1962-August 31, 1963, \$6,000 a year, supersedes (9-13-62).  
YAMAUCHI, KUNIO, Research Associate in Food Technology (S), one year from September 1, 1962, \$6,200 (8-27-62).  
ZEHE, DONALD F., Instructor in Foreign Languages (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$5,400, supersedes (9-14-62).

#### GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- AFREMOW, ARTHUR M., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-21-62).  
ATWOOD, GERALD J., United States Public Health Service Fellow (Trainee) in Medicine, July 1-September 15, 1962, \$600 (7-27-62).  
BAILEY, MRS. MARY E. R., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-17-62).  
BALKAN, MRS. ESTHEF, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$2,000 (8-21-62).  
BARTOSIK, DELPHINE B., United States Public Health Service Fellow (Trainee) in Medicine, one year from July 1, 1962, \$4,500 (7-16-62).  
BEAUCHAMP, JAMES W., Magnavox Fellow in Electrical Engineering (and Music), one year from September 1, 1962, \$3,600 (9-6-62).  
BECKER, MRS. ALETHIA A. H., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-17-62).  
BECKER, FRANK O., United States Public Health Service Fellow (Trainee) in Medicine, one year from July 1, 1962, \$6,500 (7-25-62).  
BEEMAN, SAMUEL D., United States Office of Vocational Rehabilitation Fellow (Trainee) in Speech and Theatre, nine months from September 16, 1962, \$2,800 (8-21-62).  
BOARDMAN, MARY S., Special Fellow in Social Work, nine months from September 16, 1962, \$2,000 (8-21-62).  
BOSTIC, DOYLE L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,740, supersedes, (8-21-62).  
BREFELD, GAIL L., Special Fellow in Social Work, nine months from September 16, 1962, \$2,000 (8-21-62).  
BRILL, WINSTON J., United States Public Health Service Fellow (Trainee) in Microbiology, ten months from September 1, 1962, \$2,667 (9-6-62).  
BROOKER, MARIE I. L., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-21-62).  
BROWNING, EDWARD T., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, \$2,400 (8-10-62).  
CHALFANT, JAMES C., United States Office of Education Fellow in Education, nine months from September 16, 1962, \$4,000 (10-2-62).  
CHRISTENSEN, JAMES, JR., Office of Vocational Rehabilitation Fellow (Trainee) in Education, September 16, 1962-January 31, 1963, \$900 (9-12-62).  
CLARKE, GREGORY B., United States Public Health Service Fellow (Trainee) in Food Technology, four months from September 1, 1962, \$733.34 (9-13-62).  
DAVIS, LOREN R., Engineering Faculty Development Teaching Fellow in Mechanical Engineering, one year from September 1, 1962, \$2,000 (8-1-62).  
DUNKIN, MICHAEL J., Fellow in Education, February 1, 1962-June 15, 1963, \$750, and two months from June 16, 1963, \$375, supersedes (7-17-62).  
DYER, OLYMPIA P., Office of Vocational Rehabilitation Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-17-62).  
FERGUSON, JULIANNE, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$2,000 (8-21-62).  
FIERER, MRS. MARTHA J. S., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$2,000 (8-21-62).  
FISCHER, JOEL, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-17-62).

- FITES, ROGER C., Wright-Burlison Fellow in Agronomy, nine months from September 16, 1962, \$2,300, supersedes (9-19-62).
- FITZGERALD, JAMES E., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, nine months from September 1, 1962, \$4,125, supersedes (8-29-62).
- FLYNN, MRS. MARILYN L. J., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-17-62).
- FUJIWARA, JOHN J., John B. Felmley Memorial Fellow in Architecture, nine months from September 16, 1962, \$2,400 (8-21-62).
- FUNK, MERLE W., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$2,000 (8-21-62).
- GILMAN, ALICE, United States Public Health Service Fellow (Trainee) in Microbiology, September 16, 1962-June 30, 1963, \$1,900 (8-29-62).
- GLASS, MATTHEWS I., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,310, supersedes (8-3-62).
- GRAHAM, MRS. BARBARA A. R., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$2,000 (8-17-62).
- HABUSH, SANDRA B., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-17-62).
- HARDY, CAROLINE E., United States Public Health Service Fellow in Biological Chemistry, September 16, 1962-June 30, 1963, \$1,900 (8-8-62).
- HAWKES, ROBERT C., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1962, \$2,400 (9-19-62).
- HECHT, PATRICIA J., United States Public Health Service Fellow (Trainee) in Education, nine months from September 1, 1962, \$1,800 (7-30-62).
- HEMBROUGH, CAROL J. S., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-21-62).
- HIRSCH, ESTHER D., Office of Education Fellow in Education, nine months from September 16, 1962, \$2,000 (10-2-62).
- HOFMANN, LORENZ, United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, \$2,900 (8-10-62).
- HOLQUIST, MRS. LYDIA L., United States Office of Vocational Rehabilitation Fellow (Trainee) in Speech and Theatre, September 16, 1962-January 31, 1963, \$1,200 (8-22-62).
- HOWARD, SARAH J., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, nine months from September 16, 1962, \$2,400 (9-11-62).
- HURLEY, OLIVER L., United States Office of Education Fellow in Education, nine months from September 16, 1962, \$3,200 (10-2-62).
- JOHNSON, JUDITH A., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-21-62).
- JOHNSON, WILLIAM D., Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, \$1,800 (10-3-62).
- JONES, CAROLYN G., United States Public Health Service Fellow (Trainee) in Microbiology, August 16-31, 1962, \$116.67 (8-21-62).
- KLATTENHOFF, MARY L., Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, \$2,000 (9-12-62).
- KLING, PAULETTE B., United States Public Health Service Fellow (Trainee) in Education, nine months from September 1, 1962, \$1,800 (7-30-62).
- KRANCH, LINDA L., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1962, \$2,000 (8-30-62).
- LANDY, ARTHUR H., United States Public Health Service Fellow (Trainee) in Microbiology, June 16, 1962-August 31, 1963, \$3,222.19, supersedes (9-12-62).
- LENER, LEON, United States Public Health Service Fellow in Biological Chemistry, September 16, 1962-June 30, 1963, \$1,900 (8-8-62).
- LEVINE, SUSAN P., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from November 1, 1962, \$3,600 (8-27-62).
- LIEBER, ROSLYN, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-17-62).
- MAGLIONE, FRANK D., JR., Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, \$2,800 (9-12-62).
- MCCREATH, DAVID W., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$2,000 (8-17-62).

- MELTON, MRS. MARILYN R., Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, \$1,800 (9-12-62).
- MICHENER, ELIZABETH, United States Office of Vocational Rehabilitation Fellow (Trainee) in Speech and Theatre, nine months from September 16, 1962, \$2,400 (8-21-62).
- MIKA, DOROTHY E., Office of Vocational Rehabilitation Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$2,000 (8-17-62).
- MILLER, RAYMOND P., Raymond Concrete Pile Company Fellow in Civil Engineering, nine months from September 16, 1962, \$1,500 (9-7-62).
- MORRIS, DAVID R., Procter and Gamble Fellow in Chemistry, eleven months from September 16, 1962, \$2,570, supersedes (7-25-62).
- MOSIMANN, ELLA B., Office of Vocational Rehabilitation Fellow (Trainee) in Education, September 16, 1962-January 31, 1963, \$900 (9-12-62).
- MYERS, DAVID D., United States Public Health Service Fellow (Trainee) in Veterinary Medicine, nine months from September 1, 1962, \$3,500, supersedes (8-29-62).
- NISHIDA, MRS. HIRO I., Lauterback Memorial Fellow in Food Technology, nine months from September 1, 1962, \$1,500 (9-19-62).
- O'BLOCK, FRANCIS R., United States Public Health Service Fellow (Trainee) in Education, nine months from September 1, 1962, \$2,000 (7-30-62).
- PEACOCK, DOUGLAS W., National Institute of Health Teaching Fellow (Trainee) in Chemistry, one year from September 1, 1962, \$2,400 (9-24-62).
- PLATT, SHEILA C., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-21-62).
- RADDATZ, ALAN P., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$2,000 (8-17-62).
- RAINSFORD, DENNIS, Office of Vocational Rehabilitation Fellow (Trainee) in Microbiology, nine months from September 16, 1962, \$1,800 (9-12-62).
- REED, MRS. MARY R. B., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$2,000 (8-21-62).
- REIELS, DARLENE C., United States Public Health Service Fellow (Trainee) in Biochemistry, ten months from September 1, 1962, \$2,000 (8-14-62).
- RUDOLPH, GREGORY C., Office of Vocational Rehabilitation Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$2,000 (8-17-62).
- SAUNDERS, GRADY F., United States Public Health Service Fellow (Trainee) in Microbiology, September 16, 1962-June 30, 1963, \$2,216.64 (9-24-62).
- SCLAFINI, PATRICIA A., United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, \$2,340 (8-2-62).
- SEELY, OLIVER, JR., United States Public Health Service Fellow (Trainee) in Chemistry, one year from September 1, 1962, \$2,400 (7-24-62).
- SPRIGGS, GEORGE H., Special Fellow in Social Work, nine months from September 16, 1962, \$2,000 (8-21-62).
- STEWART, THOMAS B., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, four months from September 1, 1962, \$1,900 (8-21-62).
- TESKA, JAMES A., United States Office of Education Fellow in Education, nine months from September 16, 1962, \$3,200 (10-1-62).
- THEISS, PAUL E., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1962, \$2,000 (9-13-62).
- TRAASTAD, M. JEANNE, Office of Vocational Rehabilitation Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-21-62).
- VOLNER, PATSY R., Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, \$1,800 (9-12-62).
- VOY, PHYLLIS G., Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, \$2,000 (9-12-62).
- WARD, MRS. LINDA R. G., Office of Vocational Rehabilitation Fellow (Trainee) in Education, September 16, 1962-January 31, 1963, \$900 (9-12-62).
- WEIDMAN, THOMAS A., United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, \$2,700 (7-30-62).
- WELTMAN, ADELE M., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, \$1,800 (8-21-62).
- WILLIAMS, CHARLES A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,880, supersedes (9-19-62).



WILLOCK, GORDON E., National Institute of Health Fellow (Trainee) in Chemistry, one year from September 1, 1962, \$2,400 (9-10-62).

WINDOM, SULSA D., Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, \$1,800 (9-20-62).

YACKEL, ADOLPH, Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, \$2,000 (9-12-62).

#### RESIGNATIONS, DECLINATIONS, AND CANCELLATIONS

AMON, ALBERT H., Assistant Professor of Psychology (Digital Computer Laboratory and College of Liberal Arts and Sciences) — declination effective September 1, 1962.

BERESKIN, BEN, Research Associate in Dairy Science — cancellation effective September 1, 1962.

BIRGE, WESLEY J., Assistant Professor of Zoology — resignation effective September 1, 1962.

BOSWORTH, R. C. L., Visiting Professor of Chemical Engineering — declination effective February 1, 1963.

BOUC, CHARLES A., Instructor in Theoretical and Applied Mechanics — resignation effective September 1, 1962.

BRIMHALL, PAULINE N., Associate Professor of Health Education (Home Economics) — resignation effective September 1, 1962.

BRUCE, ELEANOR A., Assistant in Home Economics — resignation effective November 1, 1962.

CELLI, VITTORIO, Assistant Professor of Metallurgical Engineering — resignation effective September 16, 1962.

DAOUD, HANNA N., Fellow in Food Technology — resignation effective September 16, 1962.

DECKER, LOREN E., Administrative Officer in Air Force Science — resignation effective September 1, 1962.

DEMBSKI, WILLIAM J., Instructor in Biological Sciences — resignation effective September 1, 1962.

DEPEYSTER, FREDERIC, Clinical Associate Professor of Surgery (Medicine) — declination effective September 1, 1962.

DICKERSON, VINCENT M., Professor of Naval Science and Head of the Department — resignation effective September 1, 1962.

DIVILBISS, JAMES L., Research Associate in the Coordinated Science Laboratory — declination effective September 1, 1962.

FEUCHTWANG, THOMAS E., Research Associate in the Coordinated Science Laboratory — resignation effective September 15, 1962.

FRITZ, THOMAS E., Instructor in Veterinary Research and in Veterinary Pathology and Hygiene — resignation effective September 1, 1962.

GLISSENDORF, OWEN F., Assistant Editor with rank of Assistant Professor of Agriculture — resignation effective August 20, 1962.

GLUCKLICH, JOSEPH, Visiting Research Assistant Professor of Theoretical and Applied Mechanics — resignation effective September 1, 1962.

GORDON, WALTER R., Fellow in Geology — resignation effective September 16, 1962.

GUPTA, BRAJENDRA K., Fellow in Civil Engineering — resignation effective September 16, 1962.

HAGGLUND, RAY R., Instructor in Theoretical and Applied Mechanics — resignation effective September 1, 1962.

HEATH, MRS. KATHLEEN F. S., Fellow in Physical Education — resignation effective September 16, 1962.

HEDISH, NORMAN D., Instructor in Accountancy (Chicago Undergraduate Division) — declination effective September 1, 1962.

ISOLINE, CHARLES J., Assistant Extension Editor with rank of Assistant Professor of Agriculture — resignation effective September 15, 1962.

JANOWSKI, TADEUSZ M., Instructor in Architecture — resignation effective September 1, 1962.

JORDAN, DAVID M., Consultant in Psychology, with rank of Associate Professor — resignation effective September 1, 1962.

KEMP, EMORY L., Instructor in Theoretical and Applied Mechanics — resignation effective September 1, 1962.

- KINGSOLVER, JOHN M., Research Associate in the State Natural History Survey — resignation effective October 11, 1962.
- LEE, SHUN-KU, Research Associate in Theoretical and Applied Mechanics — resignation effective September 1, 1962.
- LERNER, RICHARD H., Instructor in English (Chicago Undergraduate Division) — resignation effective September 1, 1962.
- MACHNE, XENIA, Assistant Professor of Pharmacology (Medicine) — resignation effective September 1, 1962.
- MADDEN, DIANA M., Research Assistant in Chemistry — resignation effective September 1, 1962.
- MANN, DENNIS K., Research Associate in Veterinary Pathology and Hygiene (College of Veterinary Medicine) — resignation effective October 1, 1962.
- MEYERS, BARBARA E., Fellow in Music — resignation effective September 16, 1962.
- MOLTENI, AGOSTINO, Research Associate in Pathology (Medicine) — resignation effective October 1, 1962.
- MORGAN, LEZLIE A., Research Assistant in the Coordinated Science Laboratory — declination effective September 1, 1962.
- NEILL, DAVID M., Research Assistant in Electrical Engineering — resignation effective September 1, 1962.
- NEVEL, DONALD E., Instructor in Theoretical and Applied Mechanics — resignation effective September 1, 1962.
- PANTONE, ANTON M., Clinical Associate Professor of Radiology (Medicine) — resignation effective October 1, 1962.
- PATTERSON, MURRAY N., Research Assistant in Mechanical Engineering — resignation effective September 1, 1962.
- PATTON, WILLARD T., Instructor in Electrical Engineering — resignation effective September 1, 1962.
- RAJAN, N. S., Research Associate in the Radiocarbon Laboratory — resignation effective July 27, 1962.
- REYNOLDS, HARRY A., United States Public Health Service Fellow (Trainee) in Veterinary Medicine — resignation effective September 1, 1962.
- ROBINSON, IRWIN B., Clinical Associate Professor of Surgery and Associate Professor of Oral and Maxillofacial Surgery — declination effective September 1, 1962.
- RONNOW, HENRY K., Special Fellow in Social Work — resignation effective September 16, 1962.
- SHENOI, B. ANANTHA, Assistant Professor of Electrical Engineering — resignation effective September 1, 1962.
- SINGAL, MAHENDAR K., Visiting Professor of Mathematics — declination effective September 16, 1962.
- SNOKE, MYRON D., Adjutant, R.O.T.C. — resignation effective September 1, 1962.
- STEIER, WILLIAM H., Assistant Professor of Electrical Engineering — resignation effective September 1, 1962.
- STREHL, FRANCIS W., Clinical Assistant Professor of Surgery (Medicine) — declination effective September 1, 1962.
- STROMFELD, ROBERT M., United States Public Health Service Fellow (Trainee) in Anatomy (Medicine) — resignation effective July 1, 1962.
- SUSINA, STANLEY V., Associate Professor of Pharmacy (Pharmacy) — resignation effective September 1, 1962.
- TUNG, MRS. SANDRA L., Fellow in Linguistics — resignation effective September 16, 1962.
- WILMS, ERNEST V., Research Associate in Theoretical and Applied Mechanics — resignation effective September 1, 1962.
- YOUNGWORTH, RANDOLPH J., Research Assistant in Civil Engineering — cancellation effective September 16, 1962.

#### LEAVES OF ABSENCE

- DEBOER, JOHN J., Professor of Education — leave of absence, with full pay, for the first semester of 1962-63, on account of illness.
- KAISER, GERTRUDE E., Associate Professor and Assistant Leader of Extension Education and Training, in the Cooperative Extension Service in Agriculture and Home Economics — leave of absence, without pay, November 1 through 30, 1962, so that she may engage in graduate study at the University of Chicago.

MILLER, DWIGHT C., Associate Professor of Art—leave of absence, without pay, one year from September 1, 1962, so that he may accept a Fulbright Research Grant for study abroad.

WETMORE, L. B., Professor of City and Regional Planning and Head of the Department—leave of absence, one-third time, without pay, September 1, 1962, through February 28, 1963, to enable him to work with the Chicago City Planning Department.

#### RETIREMENTS

COLLINS, WILLIAM R., Chief Pharmacist and Instructor in Hospital Pharmacy—retirement effective September 1, 1962.

HARTLEY, MILES C., Professor of Mathematics (Chicago Undergraduate Division)—retirement effective September 1, 1962.

#### OCTOBER DEGREES CONFERRED

The Secretary presented for record the list of degrees conferred at Urbana, Illinois, as of October 15, 1962, on recommendation of the Urbana-Champaign Senate.

##### Summary

Degrees in the Graduate College, conferred at Urbana:

Doctor of Philosophy.....	153
Doctor of Education.....	19
Doctor of Musical Arts.....	1
Doctor of Business Administration.....	3
Master of Arts.....	27
Master of Science.....	54
Master of Music.....	2
Master of Education.....	2
Master of Fine Arts.....	1
Master of Comparative Law.....	1
<i>Total, Graduate College.....</i>	<i>(263)</i>

Baccalaureate Degrees, conferred at Urbana:

Bachelor of Science, College of Agriculture.....	2
Bachelor of Science, College of Engineering.....	3
Bachelor of Arts, College of Liberal Arts and Sciences.....	5
Bachelor of Science, College of Liberal Arts and Sciences.....	7
Bachelor of Science, College of Education.....	6
Bachelor of Science, College of Commerce and Business Administration..	4
Bachelor of Science, College of Journalism and Communications.....	1
Bachelor of Fine Arts, College of Fine and Applied Arts.....	1
<i>Total, Baccalaureate Degrees.....</i>	<i>(29)</i>
<i>Total, Degrees Conferred at Urbana.....</i>	<i>292</i>

#### GRADUATE COLLEGE

##### Degree of Doctor of Philosophy

###### *In Accountancy*

WILLIAM BERNARD BARRETT, B.S., Arkansas Agricultural and Mechanical College, 1952; M.B.A., University of Arkansas, 1954

JAMES WILLIAM GIESE, A.B., University of Washington, 1947; M.S., 1959

WAYNE MELVIN HIGLEY, B.S., University of Omaha, 1958; A.B., State University of Iowa, 1958; M.S., 1960

GEORGE CLARENCE MEAD, B.S., M.S., 1957, 1959

###### *In Agricultural Economics*

ALBERT GAIL MADSEN, B.S., M.S., Utah State University, 1956, 1960

###### *In Agronomy*

RUSSELL STANLEY ADAMS, JR., B.S., M.S., Kansas State University, 1958, 1959

JERE EVANS FREEMAN, B.S., University of Tennessee, 1958; M.S., 1961

JACK CORUM SHANNON, B.S., University of Tennessee, 1958; M.S., 1959

*In Animal Science*

GEORGE WILLIAM BRENNIMAN, B.S., M.S., Colorado State University, 1949, 1959  
HARLEY ALLEN JORDAN, B.S., Utah State University, 1957; M.S., Montana State College, 1959

*In Botany*

FRANCIS AUGUST UECKER, B.S., Quincy College, 1956; M.S., 1959

*In Business*

JAMES JUDSON CHASTAIN, B.S., University of Utah, 1948; M.B.A., University of Chicago, 1949  
ATEF MOHAMED EBIED, B.Com., Cairo University, 1952; M.Com., Fouad University, 1956  
FRANK JOHNSON, B.S., University of Utah, 1955; M.S., 1959  
JEROME BERNARD KERNAN, B.B.A., University of Cincinnati, 1957; M.S., 1959  
BERNARD SARACHEK, A.B., A.M., University of Kansas City, 1952, 1955

*In Ceramic Engineering*

RAJNIKANT BABUBHAI AMIN, B.S., Gujarat University, 1956; B.S.(Tech.), Banaras Hindu University, 1959; M.S., 1960  
CHARLES AINSLEY HALL, B.S., M.S., 1959, 1960

*In Chemical Engineering*

TIRUNILLAYI SESHAIER GOVINDAN, B.S., University of Madras, 1955; B.S.(Tech.), M.Tech., Indian Institute of Technology, 1957, 1959; M.S., 1960

*In Chemistry*

DONALD ALLEN BAFUS, B.S., Kansas State University, 1959; M.S., 1961  
ROBERT HAROLD BAUM, B.S., Cornell University, 1957  
FLOYD ALLEN BLANKENSHIP, B.S., University of Georgia, 1957  
RICHARD JULIAN CHALLIS BROWN, B.S., M.S., University of Sydney, 1957, 1959  
PHILIP JOHN BURCK, A.B., Lawrence College, 1958; M.S., 1960  
WILLIAM CECIL DEAL, JR., B.S., Louisiana College, 1958; M.S., 1962  
ROBERT CLINTON FAY, A.B., Oberlin College, 1957; M.S., 1960  
MARY TWICKLER FRANKHOUSER, B.S., University of Louisville, 1955  
WILLIAM ERNEST GROVES, B.S., Southern Methodist University, 1957; M.S., 1959  
HERMAN STEWART HENDRICKSON II, A.B., Pomona College, 1959  
MELVIN DUANE JOESTEN, B.S., Northern Illinois University, 1954; M.S., 1959  
SOTER GEORGE KOKALIS, B.S., Purdue University, 1958; M.S., 1960  
MARVIN JOSEPH KONZ, B.S., M.S., St. Bonaventure University, 1954, 1956  
JAMES ROBERT KUSZEWSKI, B.S., Marquette University, 1959  
JOHN ALLAN LANDGREBE, B.S., University of California (Berkeley), 1959  
DAVID FRANK O'BRIEN, A.B., Wabash College, 1958  
LIONEL MISCHA RAFF, B.S., M.S., University of Oklahoma, 1956, 1957  
WILLIAM HEROD RILEY, JR., B.S., University of Tampa, 1952; M.S., University of Florida, 1955  
WALLACE LARIMER RIPPKE, A.B., University of Pennsylvania, 1954  
LAWRENCE HENRY SHEPHERD, JR., B.S., Millsaps College, 1957; M.S., 1959  
ROBERT CLAYTON SLAGEL, B.S., Western Michigan College of Education, 1958  
EDWARD FREDERICK STEIGELMANN, B.S., University of Wisconsin, 1957; M.S., 1962  
HAROLD SPENCER SWOFFORD, JR., A.B., Western Washington College of Education, 1958; M.S., 1960  
DAVID LAWRENCE TULEEN, B.S., Wittenberg College, 1958

*In Civil Engineering*

ROBERT NOLAN BRUCE, JR., B.S., M.S., Tulane University, 1952, 1953  
CHUNDURI VENKATA CHELAPATI, B.Eng., Andhra University, 1954; M.S., 1959  
KUEN-PUO CHUANG, B.S., National Taiwan University, 1956; M.S., 1959  
MOHAMED AREF MAHAYNI, B.S., University of Texas, 1958; M.S., 1959  
TONIS RAAMOT, A.B., B.S., M.S., Columbia University, 1953, 1954, 1956  
SIDNEY HERBERT SIMMONDS, B.S., M.S., University of Alberta, 1954, 1956

*In Dairy Science*

ROBERT MEROLD COOK, B.S., M.S., 1957, 1961

LARRY LARUE EWING, B.S., University of Nebraska, 1958; M.S., 1960  
 RUSSELL LEWIS LARSON, B.S., M.S., South Dakota State College of Agriculture  
 and Mechanic Arts, 1957, 1959  
 FRED WILLIAM WEYTER, A.B., University of Pennsylvania, 1956; A.M., Amherst  
 College, 1958  
 CARL ARTHUR ZOGG, B.S., M.S., 1949, 1960

*In Dairy Technology*

GEORGE ARTHUR MUCK, B.S., M.S., 1959, 1961

*In Economics*

SAM BARONE, B.S., M.S., 1958, 1959  
 RIKUMA ITO, A.B., A.M., 1956, 1959  
 WILLIAM HALL WALLACE, B.B.A., M.B.A., University of Mississippi, 1955, 1956

*In Education*

ABDEL-HAMID FAWZI ABDEL-AZIZ, B.Sc., Cairo University, 1945; A.M., California  
 State Polytechnic College, 1957  
 DONALD GENE BEANE, A.B., Iowa Wesleyan University, 1951; A.M., 1958  
 DONALD FITZGERALD, Diploma, Sydney Technical College, 1951; A.M., 1961  
 FRANK HENRY KLASSEN, A.B., University of Manitoba, 1953; A.M., 1960  
 WILGA MARIE RIVERS, A.B., A.M., University of Melbourne, 1939, 1948

*In Electrical Engineering*

RICHARD LEE CUMMINS, B.S., M.S., 1953, 1959  
 VICTOR HUGO GONZALEZ, Engineer, National University of Cordoba, 1954; M.S.,  
 1958  
 KENNETH WENDELL HEIZER, B.S., M.S., Southern Methodist University, 1950, 1951  
 WILLIAM FREDERICK MCGEE, B.A.Sc., A.M., University of Toronto, 1959, 1960  
 JOHN ORIN PENHOLLOW, B.S., State University of Iowa, 1956; M.S., 1959

*In English*

MARGARET MECKES CONROW, A.B., Swarthmore College, 1954; A.M., 1956  
 JOHN HENRY DORENKAMP, A.B., A.M., St. Louis University, 1954, 1957  
 GEORGE BURNHAM FERGUSON, B.S., M.S., State Teachers College (St. Cloud,  
 Minnesota), 1952, 1955  
 JOSEPH GEORGE JURICH, Ph.B., A.M., University of Chicago, 1946, 1951  
 RAYMOND ALBERT KLOPSCH, B.S., Illinois Institute of Technology, 1949; A.M.,  
 1950  
 WILLIAM EDWARD LINDBLAD, A.B., A.M., 1951, 1955  
 WILLIAM ASHLEY MCQUEEN III, A.B., Vanderbilt University, 1949; A.M., Uni-  
 versity of New Mexico, 1952  
 CHARLES ALEXANDER PENNEL, B.S., A.M., Memphis State College, 1955, 1956  
 DANIEL SHIVER SILVIA, JR., A.B., A.M., University of North Carolina, 1956, 1958

*In Food Technology*

DONALD ROBERT DICKERSON, B.S., M.S., 1950, 1959  
 KRZYSTYNA CZESLAWA KOPACZYK, B.S., Wayne State University, 1953; M.S., West-  
 ern Reserve University, 1956

*In Geography*

CHARLES FREDERICK HELLER, JR., A.B., A.M., University of Kansas, 1952, 1957  
 ROYLE JAMES HEYL, B.S., M.S., 1953, 1957

*In Geology*

JOHN DALLAS BREDEHOEFT, B.S.E., Princeton University, 1955; M.S., 1957  
 NORBERT EVERETT CYGAN, B.S., M.S., 1954, 1956  
 JAMES LYNWOOD EADES, A.B., A.M., University of Virginia, 1950, 1953  
 DONALD ROBERT GORMAN, B.S., A.B., Saint Joseph's College (Indiana), 1953, 1957  
 JOHN WILLIAM HAWLEY, A.B., Hanover College, 1954  
 WILLIAM HILTON JOHNSON, A.B., Earlham College, 1956; M.S., 1961  
 ROBERT FOLKE LUNDIN, A.B., Augustana College, 1958; M.S., 1961  
 ODELL S. MCGUIRE, B.Geol., University of Tulsa, 1956; A.M., Columbia Univer-  
 sity, 1958  
 JARMO GEORG WILLIAM SODERMAN, A.B., Columbia University, 1957; M.S., 1960

*In History*

RALPH DALE GRAY, A.B., Hanover College, 1955; A.M., University of Delaware, 1958

JAMES OLIN RICHARDS, A.B., Georgetown College, 1958; A.M., 1960

JOSEPH FREDERICK ZACEK, A.B., A.M., 1952, 1953

*In Home Economics*

RUBY LOUISE FRANKLIN ADAMS, B.S., M.S., Kansas State University, 1953, 1957

*In Horticulture*

DAVID BUDD DICKINSON, JR., B.S., University of New Hampshire, 1957

*In Mathematics*

JOSEPH HAROLD OPPENHEIM, B.S., University of Chicago, 1954; M.S., 1955

ROBERT CARTER SINE, B.S., 1958; M.S., Massachusetts Institute of Technology, 1959

*In Mechanical Engineering*

ROBERT BARKER GAITHER, B.M.E., Auburn University, 1951; M.S., 1957

RAYMOND JOHN GOLIK, B.S., M.S., 1953, 1959

ZUHAIIR NAIM SARAF, Diploma, Baghdad College of Engineering, 1956; M.S.E., University of Michigan, 1957

*In Microbiology*

STEPHEN BURT FRIEDMAN, A.B., University of Rochester, 1953; M.S., Syracuse University, 1955

RICHARD STEPHEN HANSON, B.S., South Dakota State College of Agriculture and Mechanic Arts, 1959

MASAKI HAYASHI, B.Agt., University of Tokyo, 1954

ROBERT WILLIAM KYNDBERG, A.B., Lake Forest College, 1954; M.S., 1958

RAYMOND CARLYLE VALENTINE, B.S., M.S., 1958, 1960

*In Musicology*

DOUBLE E HILL, B.Mus., Northwest Nazarene College, 1948; M.Mus., University of Idaho, 1954

*In Physical Education*

JAMES SALVATORE BOSCO, B.S., Springfield College, 1951; M.S., 1952

EUGENE VALEN DOROSCHUK, B.P.E., University of British Columbia, 1957; M.S., 1959

FRANCIS JOSEPH HAYDEN, A.B., University of Western Ontario, 1955; M.S., 1958

*In Physics*

WALTER BAUER, A.B., University of California, 1957; M.S., 1959

PAUL MARTIN BAUM, A.B., Columbia University, 1955; M.S., 1957

JOHN WILLIAM DE FORD, A.B., Carleton College, 1957; M.S., 1959

SNOWDEN LEMUEL EISENHOUR, A.B., Berea College, 1956; M.S., 1958

DOUGLAS BEACH FITCHEN, A.B., Harvard College, 1957; M.S., 1959

PETER VANCE GRAY, B.S., Union College, 1958; M.S., 1959

DON CARLOS HOPKINS, B.S., Eastern Illinois University, 1957; M.S., 1959

ROBERT KESSLER SWANK, A.B., Miami University, 1943; M.S., California Institute of Technology, 1948

ARTHUR BERTRAM CUTHBERT WALKER, JR., B.S., Case Institute of Technology, 1957; M.S., 1958

*In Physiology*

JOHN KENNETH KLIKA, B.S., M.S., Northern Illinois University, 1957, 1958

ALLAN MARK LEFER, A.B., Adelphi College, 1957; A.M., Western Reserve University, 1959

*In Plant Pathology*

PAUL GENE CALTRIDER, B.S., Glenville State College, 1956; M.S., West Virginia University, 1958

DALE IVAN EDWARDS, B.S., Eastern Illinois University, 1956; M.S., 1960

WILLIAM LOUIS KLARMAN, B.S., Eastern Illinois University, 1957; M.S., 1960

JANESHWAR UPADHYAY, B.S., Bihar University, 1954; M.S., Banaras Hindu University, 1956

*In Political Science*

LEONARD EDWIN GOODALL, A.B., Central Missouri State College, 1958; A.M., University of Missouri, 1960  
 JOSEPH BLANTON TUCKER, A.B., Ohio Wesleyan University, 1958; A.M., 1960

*In Psychology*

MOHAMMAD AKHTAR, A.B., Islamia College, 1955; A.M., University of Karachi, 1957  
 LYLE ROSS CREAMER, B.S., M.S., Kansas State University, 1953, 1959  
 LOWELL THOMAS CROW, B.S., A.M., University of South Carolina, 1957, 1959  
 ROBERT GOLDSTEIN, A.B., College of the City of New York, 1954  
 EDWARD ELLES KRIECKHAUS, A.B., Williams College, 1954  
 CHARLES LAWRENCE KUTSCHER, A.B., Georgetown College (Kentucky), 1958; A.M., 1961  
 COLIN GORDON MCDIARMID, A.B., University of British Columbia, 1954  
 DARHL MAX PEDERSEN, B.S., M.S., Brigham Young University, 1957, 1958  
 ALBERT SANOM RODWAN, A.B., Wayne State University, 1957; A.M., 1961  
 AHMAD ABD-EL AZIZ SALAMA, A.B., Cairo University, 1947; Diploma, Diploma, A.M., Ain Shams University, 1949, 1954, 1957; A.M., 1960  
 JAMES SHAW TERWILLIGER, B.S., A.M., 1957, 1960  
 INA CEPENAS UZGIRIS, B.S., A.M., 1957, 1960  
 DANIEL JAMES WEINTRAUB, A.B., Dartmouth College, 1954; A.M., 1961

*In Sociology*

JULIE ELLEN WHITE, A.B., A.M., Texas State College for Women, 1945, 1950

*In Spanish*

DANIEL EDWARD QUILTER, A.B., University of Toledo, 1955; A.M., 1956

*In Speech*

MORRIS RAY BOGARD, Ph.B., Illinois Wesleyan University, 1950; A.M., 1952  
 JEAN VALJEAN CUTLER, A.B., Lynchburg College, 1955; A.M., 1959  
 ROGER LEON MEERSMAN, A.B., St. Ambrose College, 1952; A.M., 1959  
 NORMAN JERALD MYERS, A.B., Hiram College, 1957; A.M., 1959  
 ABE WOLLOCK, A.B., Brooklyn College, 1947; A.M., Cornell University, 1948

*In Theoretical and Applied Mechanics*

KENNETH RONALD BOCKMAN, B.S., University of Idaho, 1958; M.S., 1961  
 FRITZ EGBERT DOHSE, M.S., Louisiana State University, 1954  
 SHUN-KU LEE, B.S., National Taiwan University, 1956; M.S., 1960  
 ROBERT LEE THOMS, B.S., M.S., University of Texas, 1955, 1957

*In Veterinary Medical Science*

JULIUS PETER KREIER, D.V.M., University of Pennsylvania, 1953; M.S., 1959  
 ALVIN HAROLD SAFANIE, D.V.M., Cornell University, 1947; M.S., Michigan State University, 1950

*In Zoology*

WILBUR LILE FRENCH, B.S., M.S., 1956, 1957

**Degree of Doctor of Education***In Education*

DOLORES FAY AHRENS, B.S., M.S., 1951, 1954  
 ROGER DEAN BLOMGREN, B.S., Illinois State Normal University, 1947; A.M., Colorado State College of Education, 1949  
 LAURENCE DONALD BROWN, B.S., University of Dayton, 1953; Ed.M., Miami University, 1957  
 GLEN EDWARD GAIDES, B.S., M.S., 1955, 1957  
 NORMAN STANLEY GILBERT, B.S., Northern Illinois University, 1954; Ed.M., 1959  
 TOD HAMILTON HERRING, B.S., Northern Illinois University, 1949; A.M., Ohio State University, 1952  
 EDWARD LEONARD KELLY, B.S., State Teachers College (Lock Haven, Pennsylvania), 1953; Ed.M., Pennsylvania State University, 1954

- JAMES LEON LISTER, B.S., M.S., Eastern Illinois University, 1958, 1959  
 RICHARD TREVELYN SALZER, B.S., Ed.M., 1955, 1956  
 FRANCES JANE SIGBORN, B.Ed., National College of Education, 1951; Ed.M., University of Oregon, 1955  
 LEONE MARY SMITH, A.B., A.M., University of Auckland, 1955, 1958  
 ROBERT MCNEIL SMITH, B.S., University of Maryland, 1957; Ed.M., 1958  
 ANTHONY THOMAS SOARES, B.S., Ed.M., Boston College, 1953, 1954  
 LOUISE GAVONI SOARES, B.Mus., M.Mus., Boston University, 1954, 1956  
 ELIZABETH FRANCES SPENCER, B.S., Northeast Missouri State Teachers College, 1945; Ed.M., University of Missouri, 1951  
 RONALD WILMER STADT, B.S., Illinois State Normal University, 1957; Ed.M., 1958  
 ALAN ROMAN SUESS, B.S., A.M., Western Michigan University, 1956, 1959  
 JAMES EDWARD WOODS, A.B., A.M., University of Minnesota, 1952, 1954

*In Music Education*

- DONALD WILLIAM SIMMONS, B.Mus.Ed., Knox College, 1950; M.S., 1954

**Degree of Doctor of Musical Arts**

- STEPHEN THOMAS FARISH, JR., B.S., East Carolina College, 1958; M.Mus., 1959

**Degree of Doctor of Business Administration**

- FRANK MILLER RACHEL, B.S., Oklahoma State University of Agricultural and Applied Science, 1952; M.Com., 1961  
 LEON ERNEST RICHARTZ, B.S., M.B.A., 1959, 1961  
 HALBERT CALVIN SMITH, JR., B.S., Purdue University, 1956; M.B.A., Indiana University, 1959

**Degree of Master of Arts**

*In Art History*

- MARY ELLEN YOUNG PAGEL, B.F.A., 1955

*In English*

- JEAN CAROLYN BENDT, A.B., Northern Illinois University, 1960  
 THOMAS MICHAEL BLOOM, A.B., 1960  
 ROSEMARY ANNETTE COFFEY, A.B., 1959  
 HELEN ELISABETH OSTROWSKI, A.B., Northern Illinois University, 1960

*In German*

- NAOMI IRENE STEPHAN, A.B., Indiana University, 1961

*In History*

- JOHN HENRY ALTHOFF, A.B., 1961  
 MARGUERITE FALLUCCO, A.B., 1959  
 JAMES ANTHONY HARRINGTON, B.S., Eastern Illinois University, 1954

*In Labor and Industrial Relations*

- WALTER CHARLES BRAUER III, B.S., University of Kansas, 1961  
 ROBERT EVAN COLE, A.B., Hobart College, 1959

*In Mathematics*

- FREDERICK GEORGE WISE, A.B., 1961

*In Philosophy*

- STANLEY JACK ODELL, A.B., University of Kansas City, 1960  
 VELVA JEANNE OSBORN, B.S., Kansas State Teachers College (Emporia), 1939; A.M., University of Chicago, 1944

*In Political Science*

- KAREN DRAUT LONG, A.B., Ohio Wesleyan University, 1961  
 EUGENE ARNOLD OLSEN, B.S., New York University, 1954  
 FREDERICK LEE WETTERING, A.B., 1961



*In Psychology*

- RICHARD LEE GORSUCH, A.B., Texas Christian University, 1959  
GLENN IRWIN HATTON, A.B., North Central College, 1960  
EDWARD ANDREW HOLOVKA, B.S., Pennsylvania State University, 1958  
RICHARD EDWIN MARTIN, A.B., Pomona College, 1955; B.D., McCormick Theological Seminary, 1959  
LUTHER JAMES TROMATER, A.B., Bethany College, 1958

*In Russian*

- MICHAEL HEGEDUS, A.B., Augustana College, 1959  
RICHARD TRICKOVICH, A.B., 1961

*In Social Sciences*

- HOMER WESSEL SWENSON, B.S., University of Pittsburgh, 1949

*In Spanish*

- WILLIAM WHITNEY CRESSEY, A.B., Trinity College, 1961  
MARCIA SIMPSON LEWIS, A.B., College of Notre Dame (Maryland), 1961

**Degree of Master of Science***In Accountancy*

- METWALLI BADAWI AMER, B.Com., Cairo University, 1957  
JAMES CONRAD JACOBSEN, A.B., Lake Forest College, 1957  
MOHAMED ONSI MOHAMED, B.Com., Cairo University, 1956  
JAMES ERNEST WHEELER, B.S., Bowling Green State University, 1958

*In Advertising*

- JERRY RICHARD LYNN, B.S., Southern Illinois University, 1960

*In Agricultural Economics*

- LAWRENCE ALVIN DUEWER, B.S., 1960  
ROBERT CHRISTOPHER HUGHES, B.S., 1961

*In Ceramic Engineering*

- RICHARD MARTIN BROWN, B.S., 1961  
HOWARD WAYNE HILL, B.S., 1961  
WILLIAM GORDON LONG, B.S., 1961  
VALENTINE MORRIS PATARINI, B.S., 1961

*In Chemical Engineering*

- DAVID RANDOLPH CARTER, B.S., Stanford University, 1961  
JOHN ROBERT COLLIER, B.S., South Dakota School of Mines and Technology, 1961  
HAROLD SONNY HAHN, B.Ch.E., University of Dayton, 1960  
JOHN LOUIS KARDOS, B.S., Pennsylvania State University, 1961  
JAMES LYLE MCCORMICK, B.S., Oregon State College, 1961  
JON MIKIO YATABE, B.S., University of California (Berkeley), 1960

*In Civil Engineering*

- STEWART WILLARD JOHNSON, B.S., South Dakota State College, 1956; A.B., University of Maryland, 1961

*In Dairy Science*

- ANNA SOPHIE BERNER, B.S., The Royal Veterinary and Agricultural College (Denmark), 1961  
EVAN EARL JONES, B.S., Colorado State University, 1960  
PADMAKAR NILKANTERAO PATHAK, B.V.Sc., University of Saugar, 1952  
AUDREY DELBERT WAGNER, B.S., 1957

*In Education*

- ANITA LOUISE HERMANN, B.S., University of Wisconsin (Milwaukee), 1959

*In Entomology*

- DIAMANTIA NALLINI TIYASAKA WICKRAMASINGHE, B.S., University of Ceylon, 1957

*In Finance*

PETER JOHN WALSH, A.B., LaSalle College, 1957

*In Food Technology*

EDWARD CLARENCE GROESCHEL, JR., B.S., Illinois Institute of Technology, 1958

*In Geology*

JOAN ESTHER GORDON, B.S., University of Wisconsin, 1956

*In Home Economics*

HELEN MILLER HOUSE, B.S., 1943

ALICE PIXLEY KOENECKE, B.S., Eastern Illinois University, 1958

FRANCES MILLER LAFONT, B.S., University of Tennessee, 1957

*In Journalism*

WILLIAM DAVID PENNIMAN, B.S., 1960

*In Library Science*

MARGUERITE BROOKS FERGUSON, B.S., Southern University, 1945

ALENE CANTRELL GALBREATH, B.Ed., Southern Illinois University, 1935; A.M., 1939

SOONG OK LEE YI, A.B., Ewha Womans University, 1950

*In Marketing*

MORRIS DAVID LOSKOVE, B.B.A., Memphis State University, 1961

RICHARD DALE VONRIESEN, B.B.A., Washburn University of Topeka, 1960

*In Mechanical Engineering*

WILLIAM GRANT YEICH, JR., B.S., Drexel Institute of Technology, 1960

*In Metallurgical Engineering*

BRUNO GRISON, Ing., Ecole Nationale Supérieure des Mines, 1961

HASSELL MARION LEDBETTER, JR., B.S., Wayne State University, 1961

RAJ KUMAR MALIK, B.S., University of Delhi, 1958

RICHARD BRUCE MINCH, B.S., Case Institute of Technology, 1960

*In Physical Education*

DONALD EDWIN BROWNING, B.S., Eastern Illinois University, 1961

ASHER FARHI, B.S., Northeast Missouri State Teachers College, 1961

ABRAHAM ISRAEL GROSSFELD, B.S., 1960

HAROLD EUGENE HARRIS, B.S., 1960

RAY OLSON MCCLUNG, B.S., Agricultural and Mechanical College of Texas, 1959

*In Physiology*

THOMAS CHARLES BIANCO, A.B., St. Ambrose College, 1960

*In Recreation*

HENRY ALEXANDER TURIK, A.B., Central Washington College of Education, 1961

*In Sanitary Engineering*

THOMAS HENRY PATTON, JR., B.Eng., Vanderbilt University, 1961

*In Theoretical and Applied Mechanics*

ARTHUR RALPH GIAQUINTA, B.S., Northeastern University, 1960

*In Zoology*

MARSHALL BURNICE BISCHOFF, B.S., 1960

NOYCE LANE BISCHOFF, A.B., Berea College, 1960

BRUCE BENNER CRILEY, B.S., 1960

NANCY JO VAN CURA, B.S., 1959

**Degree of Master of Music**

BARBARA KATHRYN BARNETT, A.B., Wellesley College, 1960  
 TED ARLEN HARRIS, A.B., William Jewell College, 1953; B.Mus., Oklahoma Baptist University, 1961

**Degree of Master of Education**

EDWARD JAMES FINN, B.S., Lewis College of Science and Technology, 1961  
 MILDRED MILLER REA, B.S., Eastern Illinois University, 1957

**Degree of Master of Fine Arts***In Landscape Architecture*

DONALD LUMSDEN WALKER, JR., B.F.A., 1955

**Degree of Master of Comparative Law**

PAUL S. FU, LL.B., Soochow University, 1960

**COLLEGE OF AGRICULTURE****Degree of Bachelor of Science***In Agriculture*

DAVID BOERNER

*In Home Economics*

MELBA JEAN OAKLEY SNIVELY

**COLLEGE OF ENGINEERING****Degree of Bachelor of Science***In Aeronautical and Astronautical Engineering*

VIRGIL ALFRED BLYTHE

*In Civil Engineering*

ESTEBAN ANTONIO QUINTERO

*In Engineering Physics*

BRUCE DEE WHEELER

**COLLEGE OF LIBERAL ARTS AND SCIENCES****Degree of Bachelor of Arts***In Liberal Arts and Sciences*

VIRGINIA LYTLE BROUGHER  
 PATRICK COGAN O'DAY

BARBARA ISREALDA SCHROTE  
 NANCY ANN SINGMAN, (Posthumously)

*In the Teaching of English*

TERRY JANIS LIBMAN

**Degree of Bachelor of Science***In Chemical Engineering*

WILLIAM BYRON AYTON

*In Liberal Arts and Sciences*

BEVERLY DENNEN, Honors  
 in Liberal Arts and Sciences  
 DONNA PETERS KOLARIK  
 JACK KOMENETZKY

LARRY RAY MITTENDORF  
 BONNIE LOUISE MOLANDER, Honors  
 in Liberal Arts and Sciences  
 ALVIN RONALD VOELKNER

**COLLEGE OF EDUCATION****Degree of Bachelor of Science***In Elementary Education*

NANCY TOWNSEND CLEMENT  
 LYNN FOX EGGERS  
 FLORENCE BEVERLY GOLDMAN

PENELOPE GROVES  
 MYRNA BORNSTEIN LEVIN

*In the Education of Mentally Handicapped Children*

MARY AGNES BATES

**COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION****Degree of Bachelor of Science***In Accountancy*

ROBERT UDLE GOLDMAN

*In Finance*

WILLIAM DWIGHT DEIHL

ROBERT WILLIAM THOMAS

*In Marketing*

ARTHUR ANTHONY HASSE

**COLLEGE OF JOURNALISM AND COMMUNICATIONS****Degree of Bachelor of Science***In Communications*

JANICE HACKBARTH GOBEL

**COLLEGE OF FINE AND APPLIED ARTS****Degree of Bachelor of Fine Arts***In Advertising Design*

CLAIRE JOHNSON SCHAEFER, Honors

**FUTURE MEETINGS OF THE BOARD**

By vote of the Board of Trustees, the November meeting has been changed from the third Wednesday, November 21, to Friday, November 9, so that official action by the Board can be taken on the University's building program for 1963-65 and estimates of state capital appropriations needed in time for filing of said estimates with the State Department of Finance not later than November 15, as required by law.

President Clement reminded the Board that it has agreed to hold the November meeting in Danville to enable the Trustees to participate in the dedication of the University's Radio Telescope at the Vermilion River Observatory in the outskirts of Danville, the dedication to be sponsored jointly by the University and the Danville Chamber of Commerce. Official notice of the meeting and schedule will be sent by the Secretary.

**RECESS**

The Comptroller reported that bids on the Housing Revenue Bonds which will be issued to finance construction of the Illinois Street Residence Halls were opened at 11:00 a.m. today and are being evaluated. He asked that action on the recommendation relating to the revenue bond issue be deferred until later in the day.

President Clement stated that President Henry has requested a recess period to give representatives of the press an opportunity to ask questions and to secure further information concerning the biennial operating budget for 1963-65 which has been approved at today's meeting.

At 12:05 p.m., on motion of Mr. Dilliard, the Board recessed.

When the Board reconvened, at 1:40 p.m., the same members of the Board and officers of the University were present as recorded at the beginning of these minutes.

#### HOUSING REVENUE BONDS OF 1962, SERIES B AND C

(23) Eight bids were received at 11:00 a.m. today (October 17, 1962) in the Illini Center, LaSalle Hotel, Chicago, for the sale of \$2,400,000 of Housing Revenue Bonds of 1962, Series B, and six bids were received at the same time for certain maturities of \$4,300,000 Housing Revenue Bonds, Series C, to finance construction of the Illinois Street Residence Halls.

The Vice-President and Comptroller recommends that the Series B bonds be sold to Wertheim and Company, 1 Chase Manhattan Plaza, New York, New York, and L. F. Rothschild and Company, 120 Broadway, New York, New York, at a price of \$2,377,392 plus accrued interest and at an effective interest rate of 3.4867 per cent; that \$390,000 of Series C bonds maturing in 1965 through 1972 be sold to Smith, Barney, and Company and Associates at a price of \$390,287.82 plus accrued interest and at an effective interest rate of 2.7723 per cent; and that \$790,000 Series C bonds maturing in 1973 through 1982 be sold to Wertheim and Company and L. F. Rothschild and Company at a price of \$791,003.30 plus accrued interest and at an effective interest rate of 3.172 per cent. These bids represent the lowest interest cost to the University.

Submitted herewith are schedules of all bids received, copies of which have been filed with the Secretary of the Board for record.

The Vice-President and Comptroller presents a Loan Agreement (Contract No. H(402)-697) with the Federal Housing and Home Finance Agency and recommends that he be authorized to execute it. In accordance with the provisions of the Loan Agreement, he recommends that \$3,120,000 Series C bonds maturing in 1983 through 2002 be sold to the Housing and Home Finance Agency at par and accrued interest and at an interest rate of 3¾ per cent.

The Vice-President and Comptroller also presents the Sixth Supplemental Housing Bond Resolution supplementing the Resolution approved December 17, 1958, and creating \$2,400,000 Housing Revenue Bonds of 1962, Series B, and \$4,300,000 Housing Revenue Bonds of 1962, Series C, and recommends its adoption.

He further recommends that the Board (1) authorize the execution of the bonds by A. J. Janata, Secretary of the Board, by facsimile signatures of the President of the Board, and by the facsimile signatures of Frances B. Watkins and Timothy W. Swain, members of the Board, and (2) ratify and confirm all actions taken or to be taken by the officers and members of the Board in connection with the sale and delivery of the bonds to the purchasers indicated above.

The President of the University concurs in all the foregoing recommendations.

On motion of Mr. Johnston, these recommendations were approved and the Sixth Supplemental Housing Bond Resolution supplementing the Resolution approved December 17, 1958, and creating \$2,400,000 Housing Revenue Bonds of 1962, Series B, and \$4,300,000 Housing Revenue Bonds of 1962, Series C, was adopted, this action being taken by the following vote of record: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

#### Sixth Supplemental Housing Revenue Bond Resolution

A RESOLUTION CREATING AND AUTHORIZING THE ISSUE, AUTHENTICATION, AND DELIVERY OF \$2,400,000 HOUSING REVENUE BONDS OF 1962, SERIES B, AND \$4,300,000 HOUSING REVENUE BONDS OF 1962, SERIES C, AND FURTHER SUPPLEMENTING A RESOLUTION DULY ADOPTED BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS ON DECEMBER 17, 1958.

WHEREAS, The Board of Trustees of the University of Illinois, on due consideration and investigation, does now find and determine that it is advisable

and necessary and in the interests of the University of Illinois and the welfare of its students and faculty to construct and equip additional buildings and related facilities for the purpose of housing its students and staff; and

WHEREAS, in order to provide such facilities it is advantageous to the University and necessary that the University borrow money and issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes 1961, and all laws amendatory thereof and supplemental thereto; and

WHEREAS, The Board of Trustees of the University of Illinois on December 17, 1958, did duly adopt a resolution (herein sometimes called "Original Resolution") providing for the issuance of revenue bonds; and

WHEREAS, The Board of Trustees of the University of Illinois on June 23, 1959, October 21, 1959, June 14, 1960, May 17, 1961, and May 24, 1962, respectively, duly adopted First, Second, Third, Fourth and Fifth Supplemental Resolutions for the purpose of supplementing the Original Resolution and providing for the issuance of additional revenue bonds thereunder, and

WHEREAS, there are now issued and outstanding under the Original Resolution as supplemented by the First, Second, Third, Fourth and Fifth Supplemental Resolutions thereto, \$24,296,000 aggregate principal amount of Bonds designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds" and having the further designations of year and series in the respective principal amounts as follows:

<i>Year and Series</i>	<i>Principal Amount</i>
1958, Series A.....	\$1,570,000
1958, Series B.....	1,477,000
1959, Series A.....	90,000
1959, Series B.....	1,489,000
1959, Series C.....	3,410,000
1959, Series D.....	3,410,000
1960, Series A.....	5,000,000
1960, Series B.....	5,000,000
1960, Series C.....	750,000
1962, Series A.....	2,100,000

WHEREAS, The Board of Trustees of the University of Illinois now desires to create and to authorize the issue, authentication and delivery of an additional issue of Bonds under and in accordance with the Resolution as supplemented by this Sixth Supplemental Resolution thereto which additional Bonds are to be limited to the aggregate principal amount of \$6,700,000 at any one time outstanding, \$2,400,000 of which shall be known as "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1962, Series B (hereinafter called "1962 Series B Bonds") and \$4,300,000 of which shall be known as "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1962, Series C" (hereinafter called "1962 Series C Bonds").

Now, Therefore, Be It Resolved by The Board of Trustees of the University of Illinois:

## ARTICLE ONE

### SUPPLEMENTARY PROVISIONS RELATING TO INCOME AND THE APPLICATION THEREOF

SECTION 1.1. *Pledge of Revenues.* The pledge of the revenues (including the revenues to be derived from the operation of Project G hereinafter mentioned) contained in Section 5.01 of the Original Resolution and Section 1.1 of each of the First, Second, Third, Fourth and Fifth Supplemental Resolutions is hereby ratified and confirmed and all revenues to be derived from the operation of Project G are hereby specifically pledged for the purposes mentioned in said Section 5.01 of the Original Resolution.

SECTION 1.2. *Supplementation of Revenues.* It is hereby determined by the Board of Trustees and it is hereby covenanted that in view of the additional issue of Bonds to be outstanding it is necessary to supplement the revenues to be derived from the facilities by a further use of student tuitions which are author-

ized by law to be retained in the Treasury of the University and therefore the limitation contained in clause (b) of Section 5.03 of the Original Resolution as supplemented by Section 1.2 of each of the First, Second, Third, Fourth and Fifth Supplemental Resolutions be and the same is hereby increased by an amount equal to \$250,000 so that such supplementation shall henceforth be an amount not to exceed in any one fiscal year the lesser of (a) an amount which when added to the revenues to be derived from the facilities will be sufficient to meet the annual operating expenses of the facilities and to provide for the payments required to be made into the Bond and Interest Sinking Fund established for the benefit of the Bonds in subsection (b) of Section 5.02 of the Original Resolution, or (b) \$1,110,000 plus such additional sums as may be specified in any other resolution supplemental to the Resolution as supplemented hereby, creating or authorizing the issuance of additional Bonds.

## ARTICLE TWO

### 1962 SERIES B AND 1962 SERIES C BONDS AND THE ISSUANCE THEREOF

**SECTION 2.1. *Project G and Purpose of Issue of Bonds.*** The project (hereinafter designated "Project G") to be acquired, constructed, equipped and completed pursuant to this Sixth Supplemental Resolution is described in a general way as:

A residence hall to be located north of Illinois Street and east of the Student-Staff Apartments, consisting of two housing buildings, one food service building and a lounge-recreation building for approximately 1210 undergraduate students, sometimes known as the Illinois Street Residence Halls, plus parking lots near the Illinois Street Residence Halls and the Graduate Residence Halls.

The estimated cost of said Project G is \$6,700,000 exclusive of land and exclusive of any pro rata share of the University power and heating plant serving the Project, but including the cost of extending utilities to the Project. The estimated cost of each portion of said Project G is more fully set forth in the plans and specifications therefor on file with the Comptroller of the University.

It is hereby determined that in order to produce the funds necessary to construct and equip Project G that the University borrow the sum of \$6,700,000 and in evidence thereof to issue its Housing Revenue Bonds hereunder in said principal amount.

**SECTION 2.2. *Terms of 1962 Series B Bonds and 1962 Series C Bonds.*** There is hereby created and authorized two additional series of Bonds to be issued under the Resolution as supplemented by this Sixth Supplemental Resolution to be substantially in the form and of the tenor and purport hereinafter set forth and limited to the aggregate principal amount of Six Million Seven Hundred Thousand Dollars (\$6,700,000) at any one time outstanding, Two Million Four Hundred Thousand (\$2,400,000) of which shall be designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1962, Series B" (hereinafter called "1962 Series B Bonds") and Four Million Three Hundred Thousand (\$4,300,000) of which shall be designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1962, Series C" (hereinafter called "1962 Series C Bonds").

The 1962 Series B Bonds and the 1962 Series C Bonds shall be issued as negotiable coupon Bonds dated October 1, 1962, registrable as to principal in the denomination of \$1,000 or as fully registered Bonds without coupons, dated as of the interest payment date to which interest was last paid, next preceding the date of issue, unless issued on an interest payment date on which interest was paid, in which case they shall be dated as of the date of issue, or unless issued prior to April 1, 1963, in which case they shall be dated October 1, 1962. Each fully registered Bond without coupons shall be of a single maturity. Fully registered Bonds without coupons, shall be numbered in such manner satisfactory to the Trustee as may be designated by the Comptroller and shall be issued in denominations of \$1,000 or multiples thereof, shall bear interest from October 1, 1962, payable semiannually on the first days of April and October in each year until paid, commencing April 1, 1963, at the rates provided below and shall mature in the following amounts on October 1 of the following years:

<i>Year of Maturity</i>	<i>1962 Series B Bonds</i>		<i>1962 Series C Bonds</i>	
	<i>Amount</i>	<i>Interest Rate</i>	<i>Amount</i>	<i>Interest Rate</i>
1965.....	\$ 20,000	3%	\$ 40,000	2¼%
1966.....	20,000	3%	40,000	2¼%
1967.....	30,000	3%	40,000	2¼%
1968.....	30,000	3%	50,000	2.90%
1969.....	30,000	3%	50,000	2.90%
1970.....	30,000	3%	50,000	2.90%
1971.....	40,000	3%	60,000	2.90%
1972.....	40,000	3%	60,000	2.90%
1973.....	40,000	3%	70,000	3%
1974.....	40,000	3%	70,000	3%
1975.....	40,000	3%	70,000	3%
1976.....	40,000	3%	70,000	3%
1977.....	50,000	3¼%	70,000	3¼%
1978.....	50,000	3¼%	80,000	3¼%
1979.....	50,000	3¼%	80,000	3¼%
1980.....	50,000	3¼%	90,000	3¼%
1981.....	50,000	3¼%	90,000	3¼%
1982.....	50,000	3¼%	100,000	3¼%
1983.....	50,000	3¼%	110,000	3½%
1984.....	50,000	3¼%	110,000	3½%
1985.....	60,000	3¼%	120,000	3½%
1986.....	60,000	3¼%	120,000	3½%
1987.....	60,000	3.40%	120,000	3½%
1988.....	70,000	3.40%	130,000	3½%
1989.....	70,000	3.40%	130,000	3½%
1990.....	70,000	3.40%	140,000	3½%
1991.....	70,000	3½%	140,000	3½%
1992.....	80,000	3½%	150,000	3½%
1993.....	80,000	3½%	150,000	3½%
1994.....	80,000	3½%	150,000	3½%
1995.....	90,000	3½%	160,000	3½%
1996.....	90,000	3½%	160,000	3½%
1997.....	100,000	3½%	170,000	3½%
1998.....	100,000	3½%	180,000	3½%
1999.....	120,000	3.60%	190,000	3½%
2000.....	130,000	3.60%	210,000	3½%
2001.....	130,000	3.60%	230,000	3½%
2002.....	140,000	3.60%	250,000	3½%

The 1962 Series B Bonds and the 1962 Series C Bonds shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on October 1, 1972, or on any interest payment date thereafter in the inverse order in which they mature at the principal amount thereof plus accrued interest to the date of redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
October 1, 1972 through April 1, 1977.....	3%
October 1, 1977 through April 1, 1982.....	2½%
October 1, 1982 through April 1, 1987.....	2%
October 1, 1987 through April 1, 1992.....	1½%
October 1, 1992 through April 1, 1997.....	1%
October 1, 1997 or thereafter prior to maturity.....	None

provided, however, that the 1962 Series C bonds maturing in the years 1997 through 2002 shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on any interest payment date at the principal amount thereof plus accrued interest to the date of redemption and without premium. All redemptions shall be made in the manner, upon the notice, and with the effect provided in Article Three of the Original Resolution.



**SECTION 2.3. *Payment of Principal and Interest.*** Both the principal of and the interest on the 1962 Series B Bonds and the 1962 Series C Bonds shall be payable in any coin or currency which, on the respective date of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago, or its successor, in the City of Chicago, Illinois, or, at the option of holders at The Chase Manhattan Bank, or its successor, in the Borough of Manhattan and City and State of New York.

**SECTION 2.4. *Form of Bonds.*** The definitive coupon Bonds of 1962 Series B and 1962 Series C, the interest coupons to be attached thereto, and the form of fully registered Bonds without coupons of 1962 Series B and 1962 Series C, shall be in substantially the following forms with appropriate insertions, omissions and variations to evidence differences in series, number, interest rate, maturity and like matters:

(Form of Coupon Bond)

UNITED STATES OF AMERICA

STATE OF ILLINOIS

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF  
ILLINOIS HOUSING REVENUE BOND OF 1962

(Series .....)

Number..... \$1,000

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay to bearer, but only out of the Housing Revenue Bond Fund, as hereinafter provided for, and not otherwise, the principal sum of ONE THOUSAND DOLLARS (\$1,000), on October 1, 19....., and to pay interest on said sum from the date hereof until paid at the rate of ..... per cent (.....%) per annum, payable April 1, 1963, and semiannually thereafter on the first days of April and October in each year until the principal amount hereof has been fully paid. Interest accruing on this bond on and prior to the maturity date hereof shall be payable on presentation and surrender of the interest coupons hereto attached as they subsequently become due, but no interest shall accrue on this bond after the maturity hereof unless this bond shall be presented for payment and be not then paid.

Both principal hereof and interest hereon are hereby made payable in any coin or currency which, on the respective dates of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago (hereinafter called "Trustee"), or its successor in trust under the Resolution hereinafter referred to, in the City of Chicago, Illinois, or at the option of the holder, at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York.

This bond is one of an authorized series of ..... Dollars (\$.....) principal amount of Housing Revenue Bonds of 1962, Series ....., which, with the 1962 Series ..... Bonds constitute an issue of Six Million Seven Hundred Thousand Dollars (\$6,700,000), issued or to be issued pursuant to a Bond Resolution of The Board of Trustees of the University of Illinois duly adopted December 17, 1958, as supplemented by First, Second, Third, Fourth, Fifth and Sixth Supplemental Resolutions thereto duly adopted June 23, 1959, October 21, 1959, June 14, 1960, May 17, 1961, May 24, 1962, and October 17, 1962, respectively (said Bond Resolution as so supplemented being herein referred to as the "Resolution"), for the purpose of providing funds for paying the cost of constructing and equipping student and staff housing and related facilities. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this Series are redeemable prior to maturity as a whole or in part on October 1, 1972, or on any interest payment date thereafter in the inverse order in which they mature at the option of The Board of Trustees of the University of Illinois at par and accrued interest to the date of redemption and a premium as follows: three per cent (3%) of the principal amount thereof if redeemed October 1, 1972 through April 1, 1977; two and one-half per cent (2½%) of the principal amount thereof if redeemed October 1, 1977 through

April 1, 1982; two per cent (2%) of the principal amount thereof if redeemed October 1, 1982 through April 1, 1987; one and one-half per cent (1½%) of the principal amount thereof if redeemed October 1, 1987 through April 1, 1992; one per cent (1%) of the principal amount thereof if redeemed October 1, 1992 through April 1, 1997; and without premium if redeemed October 1, 1997 or thereafter.

(1962 Series C Bonds Only)

*The period at the end of the foregoing paragraph shall be deleted in the 1962 Series C Bonds and a semicolon substituted therefor and the following proviso added to the end of said paragraph.*

[provided, however, that the bonds of this series maturing in the years 1997 through 2002 shall be redeemable prior to their maturity at the option of The Board of Trustees of the University of Illinois, either in whole or in part, on any interest payment date at the principal amount thereof plus accrued interest to the date of redemption and without premium].

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Housing Revenue Bond Fund as provided in the Resolution, which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue, bonds heretofore issued pursuant to the Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of \$1,110,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees or of the State of Illinois is pledged to the payment of this bond or the interest thereon.

This bond shall pass by delivery unless it is registered as to principal in the name of the holder on the books of registration of said University kept at the office of the Trustees in Chicago, Illinois, such registration to be noted on the back hereof. After such registration no transfer hereof shall be valid unless made on such books by the registered holder in person or by attorney duly authorized in writing and similarly noted hereon, but this bond may be transferred in like manner to bearer, and thereupon transferability by delivery shall be restored and it may again from time to time be registered or transferred to bearer as before. Such registration, however, shall not restrict the negotiability of the coupons hereto appertaining, but such coupons shall be transferable by delivery merely and payable to the bearer hereof.

Subject to the provisions for registration and transfer, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and during such time as this bond is payable to bearer, the same and each of

the coupons hereto appertaining may be negotiated by delivery by any person having possession thereof, and any holder who shall have taken this bond while so payable to bearer or any of said coupons from any person for value and without notice shall thereby acquire absolute title to this bond or to such coupons, as the case may be, free of any defenses enforceable against any prior holder and free from all equities and claims of ownership of any such prior holder, and The Board of Trustees of the University of Illinois, the Trustee, and any paying agent may deem and treat the bearer of this bond, or, if registered, the person in whose name it is registered, and the bearer of any interest coupons appertaining hereto as the absolute owner hereof for all purposes and shall not be affected by any notice to the contrary whether this bond or any coupon appertaining thereto be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of \$1,000 and as registered bonds without coupons in the denomination of \$1,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the principal office of the Trustee in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (66⅔%) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums, if any, at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder, or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons, or (iv) reduce the percentage in principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time parietal rules, rents, and charges for the use of said facilities and to maintain and collect rents and charges and to withhold student tuitions, sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signatures of its President and two of its members, the corporate seal of the University of

Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and has caused the interest coupons hereto attached to be executed by the facsimile signatures of said President and Secretary, and this bond to be dated as of the 1st day of October, 1962.

THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS

Attest:..... By:.....  
Secretary President  
Member Member

(Form of Interest Coupon)

Number..... \$.....

On the first day of....., 19..... (unless the bond to which this coupon is attached has theretofore been called for payment and payment made or provided for), The Board of Trustees of the University of Illinois will pay to bearer on surrender hereof, solely out of the fund specified in the bond to which this coupon is attached, the sum of ..... Dollars (\$.....) in any coin or currency which, on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago, in the City of Chicago, Illinois, or at the option of the holder at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York, as provided in the Housing Revenue Bond of 1962, Series....., dated October 1, 1962, Number.....

Secretary President

(Form of Registered Bond Without Coupons)

UNITED STATES OF AMERICA  
STATE OF ILLINOIS  
THE BOARD OF TRUSTEES OF THE UNIVERSITY  
OF ILLINOIS HOUSING REVENUE BOND OF 1962  
(Series .....)

Number..... \$.....

The Board of Trustees of the University of Illinois, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay (but only out of the Housing Revenue Bond Fund as hereinafter provided for, and not otherwise) to....., or registered assigns, on October 1, 19....., the principal sum of ..... Dollars (\$.....) and to pay interest thereon which shall be paid by check or draft mailed to the registered owner at his address as it appears on the bond registration books of the Trustee hereinafter mentioned as Bond Registrar, at the rate of ..... per cent (.....%) per annum, payable April 1, 1963, and semiannually thereafter on the first days of April and October in each year from the date hereof until the principal amount hereof has been fully paid.

Both principal hereof and interest hereon are hereby made payable in any coin or currency which, on the respective dates of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago (hereinafter called "Trustee"), or its successor in trust under the Resolution hereinafter referred to, in the City of Chicago, Illinois, or at the option of the holder, at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York.

This bond is one of an authorized series of ..... Dollars (\$.....) principal amount of Housing Revenue Bonds of 1962, Series....., which, with the 1962 Series..... Bonds constitute an issue of Six Million Seven Hundred Thousand Dollars (\$6,700,000), issued or to be issued pursuant to a Bond Resolution of The Board of Trustees of the University of

Illinois duly adopted December 17, 1958, as supplemented by First, Second, Third, Fourth, Fifth and Sixth Supplemental Resolutions thereto duly adopted June 23, 1959, October 21, 1959, June 14, 1960, May 17, 1961, May 24, 1962, and October 17, 1962, respectively (said Bond Resolution as so supplemented being herein referred to as the "Resolution"), for the purpose of providing funds for paying the cost of constructing and equipping student and staff housing and related facilities. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this Series are redeemable prior to maturity as a whole or in part on October 1, 1972, or on any interest payment date thereafter in the inverse order in which they mature at the option of The Board of Trustees of the University of Illinois at par and accrued interest to the date of redemption and a premium as follows: three per cent (3%) of the principal amount thereof if redeemed October 1, 1972 through April 1, 1977; two and one-half per cent (2½%) of the principal amount thereof if redeemed October 1, 1977 through April 1, 1982; two per cent (2%) of the principal amount thereof if redeemed October 1, 1982 through April 1, 1987; one and one-half per cent (1½%) of the principal amount thereof if redeemed October 1, 1987 through April 1, 1992; one per cent (1%) of the principal amount thereof if redeemed October 1, 1992 through April 1, 1997; and without premium if redeemed October 1, 1997 or thereafter.

(1962 Series C Bonds Only)

*The period at the end of the foregoing paragraph shall be deleted in the 1962 Series C Bonds and a semicolon substituted therefor and the following proviso added to the end of said paragraph.*

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[provided, however, that the bonds of this series maturing in the years 1997 through 2002 shall be redeemable prior to their maturity at the option of The Board of Trustees of the University of Illinois, either in whole or in part, on any interest payment date at the principal amount thereof plus accrued interest to the date of redemption and without premium].

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Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Housing Revenue Bond Fund as provided in the Resolution, which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue, bonds heretofore issued pursuant to the Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of \$1,110,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illi-

nois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees, or of the State of Illinois is pledged to the payment of this bond or the interest thereon.

Subject to the provisions for registration and transfer contained herein and in the Resolution, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and shall be transferable by the registered owner at the principal office of the Trustee in the City of Chicago, Illinois, upon surrender and cancellation of this bond and thereupon a new registered bond without coupons of the same principal amount, interest rate and maturity will be issued to the transferee as provided in the Resolution, upon payment of the transfer charges therein prescribed. The Board of Trustees of the University of Illinois, the Trustee and any other person may treat the person in whose name this bond is registered as the absolute owner hereof for the purpose of receiving payment and for all other purposes and shall not be affected by any notice to the contrary whether this bond be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of \$1,000 and as registered bonds without coupons in the denomination of \$1,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the principal office of the Trustee in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent ( $66\frac{2}{3}\%$ ) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums, if any, at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder, or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons, or (iv) reduce the percentage of principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time parietal rules, rents, and charges for the use of said facilities and to maintain and collect rents and charges and to withhold student tuitions, sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signatures of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and this bond to be dated as the 1st day of \_\_\_\_\_, 19\_\_\_\_\_.

THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS

Attest: _____	By: _____
Secretary	President
_____	_____
Member	Member

ARTICLE THREE

MISCELLANEOUS

SECTION 3.1. *Application of Bond Proceeds.* The Board of Trustees hereby determines that Project G will become revenue producing on or about September 30, 1964 and therefore that portion of the proceeds of the 1962 Series B Bonds and 1962 Series C Bonds representing the interest accrued on such Bonds to the date of payment therefor shall, together with an amount equal to the interest to accrue on such Bonds through September 30, 1964 be deposited with the Trustee in the Bond and Interest Sinking Fund account as required by Section 6.01 of the Resolution.

The balance of said proceeds of the 1962 Series B Bonds and 1962 Series C Bonds shall, as required by Section 6.01 of the Resolution, be deposited in a bank or banks which are members of the Federal Deposit Insurance Corporation and shall be accounted for as one or more separate funds. The application of the funds in such accounts and the disposition thereof shall in all respects comply with all the terms and provisions of Article Six of the Resolution, subject to the terms and provisions of any contract or agreement permitted by or contemplated in said Article Six between The Board of Trustees and any original purchaser of such Bonds.

SECTION 3.2. *Exchanges of 1962 Series B Bonds and 1962 Series C Bonds.* Notwithstanding the provisions of Section 2.08 of the Original Resolution the University may, in addition to any other charges permitted to be made upon the exchange or transfer of bonds, charge to the holders of any fully registered 1962 Series B Bonds and 1962 Series C Bonds presented for exchange for coupon Bonds, the actual costs of printing new coupon Bonds for the purpose of making such exchange. However, 1962 Series B Bonds and 1962 Series C Bonds originally issued in fully registered form at the time of initial delivery thereof may be exchanged without charge for coupon Bonds by the initial purchaser of such Bonds.

SECTION 3.3. *Interpretation and construction.* This Sixth Supplemental Resolution is supplemental to and is adopted in accordance with Sections 2.06 and 4.02 of the Resolution. In all respects not inconsistent with this Sixth Supplemental Resolution, the Resolution is hereby ratified, approved and confirmed, and all of the definitions, terms, covenants and restrictions of the Resolution shall be applicable to the additional Bonds authorized by this Sixth Supplemental Resolution and the proceeds thereof except as otherwise expressly provided. All of the terms and provisions of this Sixth Supplemental Resolution shall be deemed to be part of the terms and provisions of the Resolution, and the Resolution and this Sixth Supplemental Resolution shall be read, taken and construed as one and the same instrument. In executing or authenticating any Bond authorized by this Sixth Supplemental Resolution the Trustee and each officer, agent or employee of the University shall be entitled to all of the privileges and immunities afforded to them under the terms of the Resolution.

SECTION 3.4. *Resolution Effective on Passage.* This resolution shall become effective upon its passage.

STATE OF ILLINOIS }  
COUNTY OF CHAMPAIGN } ss.

I, ....., do hereby certify that I am the duly elected, qualified and acting Secretary of The Board of Trustees of the University of Illinois, and as such official have charge and custody of the minutes and records of said Board of Trustees.

I further certify that the attached resolution is a true, correct and exact copy of the original resolution adopted by The Board of Trustees of the University of Illinois at its legally convened meeting held on the 17th day of October, 1962, all as appears of record in my office.

IN WITNESS WHEREOF I have hereunto set my hand and the seal of said University this ..... day of ....., 19.....

Secretary as aforesaid.

CONTRACTS FOR CONSTRUCTION OF ILLINOIS STREET  
RESIDENCE HALLS

(24) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for the construction of the Illinois Street Residence Halls (for 1,210 single undergraduate students) in the area between Illinois and Green Streets and east of the Student-Staff Apartments in Urbana, the award in each case being to the lowest bidder:

General — Kuhne-Simmons Company, Inc., Champaign.....	\$3 639 870
Base bid.....	\$3 669 870
Deductive alternates for omission of reflective pool in central court and substitution of top soil; replacement of all black walnut wall paneling in the food service building and the two residence hall buildings with painted plaster; substitution of enamel finish on ceilings in toilet rooms and shower rooms in the dormitory buildings for ceramic tiled ceilings	-30 000
Elevator — Otis Elevator Company Chicago.....	183 381
Food Service Equipment — Century Equipment Company, Chicago.....	190 696
Plumbing — Nu-Way Plumbing Service, Inc., Chicago.....	429 500
Base bid.....	\$ 436 000
Deductive alternate for omission of reflecting pool in the central court and substitution of a drain in the filled court and a storm sewer from the drain to a manhole in the court.....	-6 500
Heating, Piping, and Refrigeration — Borg, Inc., Chicago.....	353 730
Ventilating — R. H. Bishop Company, Champaign.....	197 844
Thermal Insulation — General Insulation, Inc., Peoria.....	69 900
Temperature Control — Minneapolis-Honeywell Regulator Company, Chicago.....	35 961
Base bid.....	\$ 51 627
Deductive alternate for omission of the central control center.....	-15 666
Electrical — Art-O-Lite Company, Inc., Galesburg.....	407 880
Base bid.....	\$ 419 200
Deductive alternates for omission of all electrical work for the reflecting pool fountain system; all wiring and equipment from communications sound system; secondary clocks in corridors and floor lounges in the two residence hall buildings and offices in the lounge building.....	-11 320
Total.....	\$5 508 762



Funds will be available from the proceeds of revenue bonds to finance the construction of these halls, which are being sold today.

Submitted herewith is a report from the Physical Plant Department on this project including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur in these recommendations.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

#### EXECUTIVE SESSION

At this point, on motion of Mr. Swain, an executive session was ordered for consideration of the following matters of business.

#### PURCHASE OF PROPERTIES

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the following properties:

1111 West Springfield Avenue, Urbana, Illinois..... \$19 750

The property consists of a lot 52 feet by 132 feet and is improved with a two-story and basement frame dwelling.

1113 West Springfield Avenue, Urbana, Illinois..... 18 250

The property consists of a lot 37 feet by 132 feet and is improved with a two-story and basement frame dwelling.

The improvements of the above two properties will eventually be removed and the land will be a part of the site for the construction of the Coordinated Science Laboratory. Possession will be not later than January 1, 1963, and taxes will be prorated. As a further condition of the purchase agreement with the owners, their tenants may remain until July 1, 1963.

1208 West Oregon Street, Urbana, Illinois..... 33 600

The property consists of a lot 50 feet by 157 feet and is improved with a two-story and basement frame dwelling.

The improvement will eventually be removed and the land will be a part of the site for the construction of an addition to the East Chemistry Building. Possession will be not later than July 1, 1963, and taxes will be prorated.

The sale prices are within University appraisals and have been reviewed with the Buildings and Grounds Committee which recommends these purchases.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Pogue, purchase of these properties, at the prices indicated, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

#### RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(2) The University Patent Committee submits, with the concurrence of the University Research Board, the following reports and recommendations relating to patentable inventions by members of the staff.

*Group A.* It is the judgment of the Committee that the inventions in this group have little possibility of commercial development and the recommendation in each case is that the University's rights in the invention be released as indicated.

1. Flash light source—Robert K. Swank, Graduate Student in Physics, inventor. The purpose of the flash lamp is to produce a focused spot of light of high intensity and short duration, repetitive at about one flash per second, with

all flashes of equal intensity. The features of this arrangement are low stray inductance with high light gathering efficiency and operation in an atmosphere of nitrogen. In concurrence with various members of the Department of Physics, the Committee recommends that the rights in this invention be released to the sponsoring agency, the United States Air Force.

2. Contour-tracing pattern recognizer—Paul Weston, Research Assistant in Electrical Engineering, inventor. This device consists of an oscilloscope, a photomultiplier which receives light from the oscilloscope face and a special feedback circuit connecting the photomultiplier to the oscilloscope. It is impossible to exhaustively enumerate the methods which are applicable to this process. In concurrence with the head of the department and the inventor, the Committee recommends that the rights in this invention be released to the sponsoring agency, the United States Navy.

3. Agitator-incubator for aseptic culturing of virus-infected cells and tissue in liquid media—H. H. Thornberry, Professor of Plant Pathology, inventor. The apparatus was constructed to provide the growth of isolated plant tissue cultures under aseptic conditions in a chemically defined liquid medium with controlled temperature and aeration by agitation. In concurrence with the head of the department, the Committee recommends that the rights in the invention be released to the inventor.

4. Automatic recording light-scattering instrument—Hiroshi Mizukami, Graduate Student in Biophysics, inventor. The light-scattering instruments are designed so as to measure the ratio of the intensity of incident light  $I_0$  and that of scattered light from a sample cell  $I$ . In general, the angular dependence of scattered light is measured with rotating either a photomultiplier or a minor system around the cell manually. After study and report by the University of Illinois Foundation, the Committee recommends release of the rights in this invention to the sponsoring agency, the United States Public Health Service.

5. Iron core electromagnet with windings of niobium—G. B. Yntema, Research Associate in Physics (1954), inventor. There are two potentially novel features in this design—the use of superconducting windings and the use of iron to augment the field possible with superconducting windings. After study and report by the University of Illinois Foundation, the Committee recommends the release of the rights of the University in this invention to the inventor.

6. Methods for generating hypersonic waves in liquids—Floyd Dunn, Associate Professor of Electrical Engineering, inventor. The novel features of the invention lie in the fact that the quarter wave matching sections of two methods considered enable a sufficiently high electric field gradient to be developed over the thickness of the piezoelectric plate such that the plate vibrates and thereby produces sound waves in the contiguous liquid. After study and report by the University of Illinois Foundation, the Committee recommends release of the rights of the University to the sponsoring agency, the United States Navy.

7. Non-contacting device for accurately locating the spin axis direction of a rotating object—Howard W. Knoebel, Research Associate Professor in the Coordinated Science Laboratory, and A. T. Nordsieck, Research Professor in the Coordinated Science Laboratory, inventors. The device employs two diametrically opposite photoelectric, magnetic, or electrostatic transducers which scan the surface of the rotating object and produce electrical signals in accordance with random surface texture or pattern material applied to the surface of the rotating object. After study and report by the University of Illinois Foundation, the Committee recommends that the rights of the University be released to the sponsoring agency, the United States Army Signal Corps.

*Group B.* In the judgment of the Committee, the inventions in this group are potentially patentable and may have some value. The Committee therefore recommends that the University's rights be released to the University of Illinois Foundation for further study, development, and possible patentable application.

1. Transistorized digital-to-analog converter—William J. Kopek, Research Assistant in the Coordinated Science Laboratory, and Jack Stifle, Research Assistant in the Coordinated Science Laboratory, inventors. This device utilizes switching techniques whereby constant voltage or constant current generators are switched into or out of a coupling network, and the sum of the voltages or currents produced by these generators at the output is the analog representation of the input digital level. (Under United States Army Signal Corps Contract.)

2. Internally reflecting confocal resonant system — Don F. Holshouser, Associate Professor of Electrical Engineering, inventor. This resonator is generally composed of two opposing reflecting elements with the active medium, either a crystal or a gas, filling the region between. It is useful for frequencies in which wavelengths are short compared to physical dimensions. (Under United States Air Force Contract.)

3. Magnetic pulse integrator — James L. Divilbiss, Research Associate in the Coordinated Science Laboratory, inventor. The principle advantages of this circuit are (1) very large count ranges are possible; (2) nondestructive interrogation; (3) greater independence of setting pulse amplitude for a specified count range; (4) greater temperature independence; (5) device can be incremented both positively and negatively; and (6) count range—i.e., the number of set pulses required to bring the output to a specified level—can be adjusted without changing the setting pulse amplitude. (Under United States Army Signal Corps Contract.)

4. High temperature, high vacuum brazeable electrical feedthrough — Nicholas Vassos, Electronics Technician in the Coordinated Science Laboratory, inventor. The electrical feedthrough is a molybdenum sheet and molybdenum pin isolated electrically with Corning 1720 or Corning 1723 alumina silicate glass. (Under United States Army Signal Corps Contract.)

5. Disposable tissue grinder — Deam H. Ferris, Associate Professor of Veterinary Pathology and Hygiene and Senior Member in the Center for Zoonoses Research, inventor. The novel feature is the disposability of the device since the time involved in cleaning and sterilizing the traditional mortar and pestle or tissue grinder greatly limits their use in multiple specimens or in the field. (Under United States Public Health Service Grant.)

#### *Group C.*

1. Passive element resonant levitation servo — Howard W. Knoebel, Research Associate Professor in the Coordinated Science Laboratory, inventor. This is a device to suspend objects in electric or magnetic fields without need of amplifiers. The principle is to use the characteristics of a resonant circuit to reverse the slope of the relationship between distance and field intensity. The technique is equally applicable to magnetic and electric field levitation devices.

The Committee has been advised by the University of Illinois Foundation that there is little likelihood of commercial development. The inventor does not wish to have the rights released to him and it is therefore recommended that the University's rights be released to the United States Army Signal Corps.

I concur in these recommendations.

On motion of Mr. Swain, these recommendations were approved.

#### REQUEST FOR RETURN OF GIFT

(3) Mrs. Nellie Voight Freeman of Mattoon, Illinois, a former member of the Board of Trustees, transferred a farm to the University by a deed recorded January 18, 1960, subject to the retention of a life estate in Mrs. Freeman and an additional life estate in her daughter, Mrs. Bernadine Freeman Bailey, 253 East Delaware Place, Chicago 11, Illinois. The land is located about seven miles north of Mattoon and includes approximately 218 acres. Mrs. Freeman passed away on October 14, 1962, and is survived by her daughter, Mrs. Bailey.

The deed provides that the farm is to be retained by the University for not less than fifty years after the deaths of the life tenants and is to be operated as an "example of good farming practice in the community in which it is located." During such period the income is to be used for educational purposes and thereafter the University may dispose of the property, retaining the proceeds of any sale of the farm as a perpetual endowment fund for the same purposes.

Prior to Mrs. Freeman's death, the University received the following request from the attorney for the two life tenants:

"Because of difficulties in leasing the land for farming, since prospective tenants are not interested in leasing the land and investing in improvements to farm the land because of the title which depends upon the uncertainty of the two life estates with the remainder in the University of Illinois, Mrs. Freeman would appreciate the return of her gift by the reconveyance of

the land to her, and will express her gratitude by making other gifts to the University of Illinois."

Subsequently the Legal Counsel advised the attorney that in his opinion compliance with the request for reconveyance was not within the power of the Board of Trustees as it would constitute a gift of public property without consideration other than an indefinite and unenforceable promise of future gifts. It was suggested to the attorney that the feasibility of the University joining with the life tenants in a lease to a prospective tenant be explored, but this alternative was not acceptable to the attorney, who requested that the matter be presented to the Board of Trustees for action, which request was repeated after the death of Mrs. Freeman.

The Legal Counsel states that he remains of the opinion that the Board has no legal right to comply with the request for reconveyance of the property since such would constitute a prohibited gift of public property. The Vice-President and Comptroller, and the Legal Counsel, therefore, recommend that the request be denied but that the attorney for the life tenants be advised of the University's continuing willingness to cooperate in solving the problem of securing tenants by joining in the negotiation of leases.

I concur.

On motion of Mr. Pogue, the foregoing recommendation was accepted and adopted as the action of the Board.

On motion of Mr. Swain, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

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**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**November 9, 1962**



The November meeting of the Board of Trustees of the University of Illinois was held in the Wolford Hotel, Danville, Illinois, on Friday, November 9, 1962, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner, Mr. Earl M. Hughes, and Mr. George T. Wilkins were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel; and the officers of the Board, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**  
The Board took up consideration of the following reports and recommendations from the President of the University.

#### **PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

#### **BUILDING PROGRAM FOR 1963-65**

(1) Submitted herewith is the proposed building program for the biennium of 1963-65, based upon the recommendations of the University Building Program Committee<sup>1</sup> and consultation with the University Council.

I recommend that the Board of Trustees approve this building program for presentation to the appropriate state officials and agencies, and committees of the Seventy-third General Assembly of Illinois; and I further recommend that the President of the Board, the Chairmen of the Board Committees on Buildings and Grounds, General Policy, and Finance, and the President of the University be authorized to represent the Board of Trustees in such conferences as may be required in discussing the program with state officials and agencies.

The building program and requests for state capital appropriations for 1963-65, as prepared by the Building Program Committee and recommended by the President of the University, were submitted to the members of the Board of Trustees in advance of today's meeting. The building program had also been studied in detail by the Committee on Buildings and Grounds in consultation with the President and other University officers at two meetings, on July 17 and November 8, 1962, in which other Trustees participated.

President Henry, Vice-President and Provost Lanier, and Comptroller Farber again reviewed the recommendations.

Following this presentation and discussion by the Trustees, on motion of Mr. Pogue, the building program and recommendations were approved, and authority was given as requested. This action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.

The complete report of the Building Program Committee, including the schedules of capital funds to be requested in state appropriations for 1963-65, on which this action was taken, was filed with the Secretary of the Board for official record.

#### **AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

(2) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
ARTHUR LIEBER, JR.	University City, Missouri	Missouri
DONALD ALAN NAY	Lombard, Illinois	Indiana
ALFRED F. ROLFE	St. Louis, Missouri	Missouri
I concur.		

On motion of Mr. Johnston, these certificates were awarded.

<sup>1</sup> Members of the Building Program Committee are: Executive Vice-President and Provost Lyle H. Lanier, Chairman; G. M. Almy, Associate Head of the Department of Physics; Vice-President Joseph S. Begando, Medical Center; Vice-President and Comptroller H. O. Farber; Kenneth M. Madison, Associate Professor of Biological Sciences, Chicago Undergraduate Division; John P. Marbarger, Professor of Physiology and Director of the Aeromedical Laboratory; Vice-President Norman A. Parker, Chicago Undergraduate Division; Dean Russell N. Sullivan of the College of Law; Dean F. T. Wall of the Graduate College.

### APPOINTMENTS TO THE FACULTY

(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. BERNARD CENTURY, Assistant Professor of Biological Chemistry, College of Medicine, beginning September 1, 1962, without salary (DY).
2. RICHARD WILLIAM TIECKE, Lecturer with rank of Professor, Department of Oral Pathology, College of Dentistry, beginning September 1, 1962, on one-tenth time, at an annual salary of \$1,200 (DY10).
3. CLARA BEATRICE WEIMER, Assistant Professor of Psychology, Department of Psychiatry, College of Medicine, beginning September 17, 1962, at an annual salary of \$9,000 (BY100).
4. PENGH-CHIH CONSTANCE YANG, Visiting Assistant Professor of Civil Engineering, for the academic year 1962-63, at a salary of \$6,500 (E).
5. AVIVI I. YAVIN, Research Assistant Professor of Physics, beginning October 15, 1962, at an annual salary of \$11,000 (DY).
6. JAMES WEBB YOUNG, Visiting Professor of Advertising, College of Journalism and Communications, for one month from February 8, 1963, at a salary of \$2,000 (G).

On motion of Mr. Swain, these appointments were confirmed.

### ADVISORY COMMITTEE FOR THE DIVISION OF UNIVERSITY EXTENSION

(4) The Dean of the Division of University Extension recommends the following appointments to the Division of University Extension Advisory Committee for two years beginning September 1, 1962, unless otherwise indicated.

#### Representatives of the University

PROFESSOR CHARLES K. BRIGHTBILL, Head, Department of Recreation and Municipal Park Administration

PROFESSOR WARREN F. DOOLITTLE, JR., Department of Art

PROFESSOR KENNETH J. TRIGGER, Department of Mechanical Engineering

These appointees replace Professors Ross J. Martin, College of Engineering; R. Stewart Jones, College of Education; and Duane A. Branigan, Director, School of Music, whose terms have expired.

Other representatives of the University on the Committee are Professors Harvey W. Huegy, Head, Department of Marketing, and George W. White, Head, Department of Geology.

#### Non-University Representatives

RUSSELL L. GUIN, President, Interstate Printers and Publishers, Inc., Jackson at VanBuren, Danville, for one year

WILLIAM R. MCINTOSH, Superintendent, Rockford Public Schools, 201 South Madison Street, Rockford

GERALD PLANK, Director, Department of Personnel, Caterpillar Tractor Company, Joliet

These appointees replace Mr. Dale Sutton, Supervisor of Personnel, Illinois Bell Telephone Company, 212 West Washington Street, Chicago 6, and Mr. Russell L. Guin, Danville, whose terms have expired. Mr. Guin is being re-appointed for one year to fill the unexpired term of Mr. Richard G. Browne who has asked to be relieved of this assignment.

Other non-University representatives are Mr. Lloyd McBride, Sub-district Director, United Steelworkers of America, Granite City, and Mr. Earl I. Swords, President, Peoria Tractor Company, Peoria. Their terms expire September, 1963.

I concur.

On motion of Mrs. Watkins, these appointments were approved.

### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(5) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:



*Urbana-Champaign*

1. College of Agriculture	
Department of Agronomy, South Farm heating system.....	\$ 2 800
Department of Plant Pathology, equipment.....	5 965
Department of Forestry, pressure-vacuum cylinder and related instrumentation (an addition to \$10,000 appropriated July 18, 1962).....	4 600
2. College of Education	
Industrial Education, equipment (surface planer and Universal grinder) .....	6 900
University High School, audio-visual equipment and library expansion.....	7 227
3. College of Engineering	
Department of Civil Engineering, Universal testing machine.....	25 500
Physics Betatron, prefabricated metal building.....	8 000
4. College of Fine and Applied Arts	
School of Music, practice pianos and organs.....	36 000
5. College of Liberal Arts and Sciences	
Department of Chemistry and Chemical Engineering, undergraduate teaching equipment.....	5 266
Department of Mathematics, equipment.....	8 135
Department of Psychology, Comparative Laboratory furnishings and equipment .....	9 322
6. Library, equipment .....	21 520
7. College of Physical Education	
Ice Rink, ice resurfacer.....	8 500
8. Physical Plant Department	
Department of Mechanical Engineering, remodeling to increase research space and for expansion of Machine Shop.....	4 400
9. Statistical Service Unit, auxiliary equipment for the 1401 IBM Computer.....	5 242
10. University Extension	
Audio-Visual Aids Service, replacement of equipment, materials, and supplies lost in a fire (an addition to \$25,000 appropriated April 19, 1961).....	30 040
<i>Total Urbana-Champaign</i> .....	(189 417)

*Chicago Undergraduate Division*

11. College of Architecture and Art, equipment.....	4 540
12. Library, additional acquisitions.....	15 000

*Medical Center*

13. Physical Plant, replacement of ducts in the Medical Research Laboratory.....	33 000
14. College of Pharmacy, equipment.....	14 000
<i>Grand Total</i> .....	\$255 957

I concur.

On motion of Mr. Johnston, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.

**CONTRACTS FOR MODERNIZATION OF ELEVATORS**

(6) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for modernization of elevators in three buildings, the award in each case being to the lowest bidder:

Montgomery Elevator Company, Chicago	
David Kinley Hall.....	\$24 398
Westinghouse Electric Corporation, Elevator Division, Chicago	
Mumford Hall .....	30 367
Library.....	29 870

It is recommended that one contract be awarded to Westinghouse for the Mumford Hall and Library jobs at a total contract price of \$60,237.

Funds are available in the state capital appropriations to the University for 1961-63 and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.

#### CONTRACTS FOR CONSTRUCTION OF ADDITION ON BURNSIDES RESEARCH LABORATORY

(7) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of a third floor addition on the Burnsidess Research Laboratory to provide additional usable space for seminar and office areas, the award in each case being to the lowest bidder:

General—A. F. Krall Construction Company, Inc., Decatur.....	\$32 343
Electrical—Square Deal Electrical Contracting, Inc., Urbana.....	3 100
Plumbing—Thomas Plumbing and Heating Company, Urbana.....	1 579
Heating and Temperature Control—David W. Reichard, Plumbing and Heating, Urbana .....	5 300
Ventilating—Reliable Plumbing and Heating Company, Champaign.....	4 095
<i>Total</i> .....	\$46 417

Funds are available in the original financing of the project.

Submitted herewith is a supporting memorandum from the Physical Plant Department including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Dilliard, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.

#### CONTRACT FOR LABORATORY EQUIPMENT FOR THE COLLEGE OF EDUCATION BUILDING

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$62,701 to E. H. Sheldon Equipment Company, St. Louis, Missouri, the lowest bidder, for fixed laboratory equipment for the College of Education Building.

It is further recommended that this contract be assigned to Felmley-Dickerson Company, Urbana, Illinois, the contractor for general construction work on this building, making the total of his contract price \$2,795,023; and that an agreement be entered into with Felmley-Dickerson Company for the assignment of the contract with E. H. Sheldon Equipment Company to that firm without any adjustment in the original fee (\$27,000) for assignment of other contracts which amount has been included in the contract price, being the amount bid as a service charge for supervision of contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.

**CONTRACTS FOR REMODELING ILLINOIS SURGICAL INSTITUTE**

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling and construction of an addition to the fourth floor of the Illinois Surgical Institute, a unit of the Research and Educational Hospitals, the award in each case being to the lowest bidder:

General—Oman and Giden, Inc., Northfield.....	\$ 63 660
Base bid .....	\$61 300
Additive alternates	
Service charge for supervision of other contracts assigned to this contractor.....	2 000
Air conditioning .....	360
Laboratory Equipment—Browne-Morse Company, Chicago.....	16 574
Plumbing—Ewing Plumbing, Inc., River Forest.....	7 500
Heating—Louis Cutler Plumbing and Heating Company, Chicago.....	20 140
Base bid .....	\$11 400
Additive alternate for air conditioning.....	8 740
Ventilating—Byness, Inc., Chicago.....	14 653
Electrical—Divane Brothers Electric Company, Chicago.....	16 670
Base bid .....	\$15 940
Additive alternate for air conditioning.....	730
Total.....	\$139 197

The contracts are for remodeling of the present fourth floor and construction of an addition on the roof of the Illinois Surgical Institute for research laboratories for the Department of Orthopaedics.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$139,197; and that an agreement be entered into with Oman and Giden, Inc., for the assignment of these other contracts for \$2,000 which amount is included in the contract price, being the amount bid by that company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released and from a matching National Institutes of Health Grant (RC-1069).

A schedule of all bids received is submitted herewith and is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.

**CONTRACTS FOR REMODELING AND AIR CONDITIONING  
IN FIRST UNIT OF DENTISTRY-MEDICINE-PHARMACY BUILDING**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling and air conditioning conference and lecture rooms in the first unit of the Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

Heating—Utility Air Conditioning and Heating Company, Oak Park..	\$ 54 411
Base bid .....	\$52 811
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	1 600
Ventilating—Narowetz Heating and Ventilating Company, Chicago....	20 370
Plumbing—Ewing Plumbing, Inc., River Forest.....	705
Electrical—Midwest Interstate Electrical Construction Company, Chicago.....	13 872
General—Simpson Construction Company, Chicago.....	18 841
Total.....	\$108 199

It is further recommended that all contracts other than the contract for heating be assigned to the contractor for that work, making the total of his contract price \$108,199; and that an agreement be entered into with Utility Air Conditioning and Heating Company for the assignment of these other contracts

for \$1,600 which amount is included in the contract price, being the amount bid by that company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of all bids received is submitted herewith and a copy is filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.

#### EMPLOYMENT OF ARCHITECTS AND ENGINEERS

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of architects and engineers for the following assignments and on the terms indicated:

Veterinary Medicine, Small Animal Clinic—Perkins and Will, Chicago, for architectural services including preliminary studies, working drawings, plans and specifications, and supervision of construction, at a fee of 6 per cent of the construction costs.

Physical Plant Service Building, Medical Center—Friedman, Alschuler, and Sincere, Chicago, for architectural services including design, working drawings, plans and specifications, and supervision of construction, at a fee of 6 per cent of the cost of construction.

Paving of Oak Street, Construction of Central Trash Disposal Depot, and Construction of Parking Facilities South of Florida Avenue, Urbana-Champaign—Clark, Daily, Dietz, and Associates, Urbana, for engineering services including surveys, estimates of cost, preparation of plans and specifications, and general supervision of construction, at a fee based on Schedule B of minimum fees of the Illinois Society of Professional Engineers.

These firms have been recommended for the specific assignments by the Advisory Committee on the Selection of Architects and Engineers. The Committee on Buildings and Grounds has also been consulted and recommends approval. I concur in these recommendations.

On motion of Mr. Pogue, these recommendations were approved.

#### PURCHASES

(12) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

I concur.

#### *Chicago Colleges and Divisions*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Electronic instruments consisting of eleven vacuum tube voltmeters, eleven audio oscillators, and eleven amplifiers	Engineering, Chicago Undergraduate Division	Crossley Associates, Inc., Chicago	\$ 6 764 69 delivered
Two superspeed refrigerated centrifuges for continuous and batch operation with accessories	Medicine	Ivan Sorvall, Inc., Norwalk, Conn.	5 100 00 delivered
One research microscope and photomicrographic accessories	Oral Anatomy	W. H. Kessel & Co., Chicago	3 359 46 delivered
Rehabilitation of one 200-ton refrigeration compressor including cleaning and reassembling of all compressor parts, cleaning of the cooler and condenser, and replacement of parts wherever necessary	Physical Plant, Medical Center	Carrier Air Conditioning Co., Chicago	11 630 00 estimated price
One hypothermia unit, to be used for the control of patient's body temperature in the Recovery and Operating Rooms of the Research and Educational Hospitals	Research and Educational Hospitals	Hemathermatrol Corp., Indianapolis, Ind.	2 550 00 freight allowed

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of hospital equipment consisting of 27 examining tables, one treatment table, one treatment cabinet, 24 pieces of diagnostic equipment, one bassinot, one cast cutter, eight stools, and 12 waste cans	Research and Educational Hospitals	Chicago Hospital Supply Co., Chicago	\$ 6 431 06 delivered
Two sets of balanced stainless steel metal doors, frames, and hardware for replacements of existing entrances at 805 South Wolcott Street and 817 South Wolcott Street, at the Medical Center, Chicago	Physical Plant	Ellison Bronze Co., Inc., Chicago	3 916 00 delivered

*Urbana-Champaign Departments*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Two 1963 sedans, compact, two-door, six-passenger, six-cylinder, manual shift, equipped with right-hand drive	Agency for International Development	North Park Sales & Service, Inc., Chicago	3 476 96 f.a.s. San Francisco, Calif.
One photosommateur	Chemistry and Chemical Engineering	Engis Equipment Co., Chicago	3 244 00 f.o.b. Chicago
One measurement and recording system consisting of: Recording oscillograph, twelve-trace capacity, speeds 0.25 to over 100 inches per second, seven galvanometers, trace numbering, electronic flash timing (Group A) Two amplifiers, D.C., 20 KC, single channel, frequency response flat to $\pm 1$ per cent (Group B) Amplifier, carrier, four-channel, 20 KC, rack mount (Group C)	Civil Engineering	Consolidated Electrodynamics Corp., Chicago	10 001 75 f.o.b. delivered
One computer, digital, and data storage unit, 1 to 4 simultaneous discrete inputs, 400 ordinates One extra modulator set; 1-type-punch-read control unit One light bank	Civil Engineering	Mnemotron Corp., c/o Electronic Aides, Chicago	14 095 00 f.o.b. North Haven, Conn.
One recording system consisting of two eight-channel units, $1\frac{1}{2}$ and 60 ips, 0-10,000 cps, FM (Group A) One magnetic oscillograph, 18-channel, with 0-500 and 0-1000 cps galvanometers, rack mount (Group B) 16-amplifier modules and two-rack mounts and power supplies (Group C)	Civil Engineering	Minneapolis-Honeywell Regulator Co., Chicago (Group A) Consolidated Electrodynamics Corp., Chicago (Group B) Dana Laboratories, c/o Pivan Engineering, Chicago (Group C)	22 090 00 5 430 20 6 900 00 (34 420 20)
Fifteen steel plates, size 4 ft. by 8 ft. by $\frac{3}{4}$ in. thick, produced from one heat under military specifications	Civil Engineering	United States Steel Corp., Chicago	3 876 63 f.o.b. delivered
One kerr-cell camera system, 5 nanoseconds to 10 microseconds exposure time	Coordinated Science Laboratory	Electro-Optical Instruments, Inc., Pasadena, Calif.	4 285 00 f.o.b. delivered
Print and bind 15,000 copies of <i>The Universe in Motion</i> , by J. Myron Atkin and Stanley P. Wyatt, approximately 96 pages per copy, trim size $8\frac{1}{2}$ in. by 11 in., to be printed by offset	Elementary Education	George Banta Co., Chicago	3 118 18 f.o.b. delivered
One counter, eight-digit, solid stage, 50 mc, sensitivity 0.1 volt, RMS time base stability $\pm 3$ parts in $10^6$ per day, with plug-in to extend range to 100 mc. and with time interval plug-in with 0.1 microsecond resolution One digital recorder for use with above and with analog output installed	Electrical Engineering	Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago	5 975 00 f.o.b. Palo Alto, Calif.
One slicing machine, crystal, manually indexed, 6 in. by 12 in. table area (this machine is used for precision slicing of wafers from semi-conductor materials such as germanium with a minimum amount of lost material; semi-conductor materials are used to make electronic devices such as transistors and diodes)	Electrical Engineering	DoAll Rockford Co., Rockford	3 904 36 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One analog computer including chassis, power supplies, amplifiers, pre-patch program system, variable function diode generator, patch-bay installation kits, pre-patch panel, and slaving cable	Electrical Engineering	Electronic Associates, Inc., Mount Prospect	\$ 8 391 00 f.o.b. Long Branch, N.J.
One liquid scintillation spectrometer with bench top electronics, one gas fraction collector, and one supply kit containing chemicals and standards to put the spectrometer and collector into operation	Food Technology	Packard Instrument Co., Inc., La Grange	13 190 50 f.o.b. delivered and installed
One high vacuum ultracentrifuge, preparative type and two rotors for use in the study of lipoproteins in the human blood stream	Food Technology	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	8 995 00 f.o.b. delivered
Laboratory equipment and apparatus for stock in the General Chemical Stores including one recording spectrophotometer, glass cutters, micro burners, rubber tubing, ring supports, rubber sheeting, hydron paper, razor blades, and neoprene filter adapters (this is an estimated six-month supply)	General Chemical Stores	Chicago Apparatus Co., Chicago	4 655 00 f.o.b. delivered
One lot laboratory glassware including flasks, distilling columns, condensers, stoppers, and thermometers for stock in the General Chemical Stores (this is an estimated six-month supply)	General Chemical Stores	Chatas Glass Co., Vineland, N.J.	2 564 01 f.o.b. delivered
Computer service for the period of October 5, 1962, to June 30, 1964	Physics	General Motors Corp. Research Laboratories, Warren, Mich.	30 000 00 total estimated cost
One monochromator, double pass quartz prism, including beam chopper, wavelength range 0.2 to 5.2 microns	Physics	The Perkin-Elmer Corp., Norwalk, Conn.	3 815 00 f.o.b. Norwalk, Conn.
One prism, mounted fused quartz, .60". 60 by 70 mm.			
One data read-out system consisting of new encoders, translators, and output control electronics for precision film reader	Physics	Nuclear Research Instruments, Berkeley, Calif.	10 090 00 f.o.b. delivered
One oscillograph, recording, 18 trace capacity, record speeds 0.25 to 64 inches per second, complete with trace numbering kit, magnet block heater kit, electronic flash timing, rackmount drawer slide, take-up reel assembly, four galvanometers, and galvanometer driver amplifier and case	Mechanical and Industrial Engineering	Consolidated Electrodynamics Corp., Chicago	5 176 00 f.o.b. delivered
One transistorized pulse height analyzer system, and two detectors with pre-amplifiers, designed to scan, on a simultaneous basis, random voltage pulses having a wide range of amplitudes and waveforms, and to sort them on an amplitude basis into one of 400 amplitude ranges	Nuclear Engineering	Radiation Instrument Development Laboratory, Inc., Melrose Park	19 193 50 f.o.b. delivered and installed
One ice rink resurfacing machine, rider type, self-propelled, powered by automotive type gasoline engine, designed to be operated by one man to shave the ice, pick up loose snow, wash and squeegee behind the blade; machine to be capable of completely resurfacing a 100 ft. by 200 ft. area in 15 minutes, for use in University of Illinois Ice Rink	Physical Education	Frank J. Zamboni & Co., Paramount, Calif.	8 328 90 f.o.b. delivered
Forty-one prints each of three films, "Point of View," Parts I and II, and "Biology Plus" from AB negative, 16mm., sound, black and white movie film, plus required reels and cans (total footage is 117,957)	University High School	Fischer Photographic Laboratory, Oak Park	4 980 81 f.o.b. Oak Park
Fifteen films, 16 mm., black and white and color	Audio-Visual Aids Service	Walt Disney Films, Educational Film Division, Park Ridge	2 570 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Thirty-eight films, 16 mm., miscellaneous, color and black and white	Audio-Visual Aids Service	Encyclopaedia Britannica, Wilmette	\$ 3 705 00 f.o.b. Wilmette
Print and bind 2,000 copies of <i>Problems of Economics and Sociology</i> , by Carl Menger, approximately 256 pages per copy, trim size 6 in. by 9½ in.	University Press	George Banta Co., Chicago	4 135 55 f.o.b. delivered
Print and bind 25,000 copies of <i>High School Mathematics</i> , Units 1 through 4, Students' Edition, approximately 708 pages per copy, trim size 8½ in. by 11 in.	University Press	George Banta Co., Chicago	27 065 00 f.o.b. Menasha, Wis.
Print and bind 4,000 copies <i>High School Mathematics</i> , Unit 1, Students' Edition, approximately 164 pages per copy, trim size 8½ in. by 11 in.			
Print and bind 35,000 copies of Time Table, second semester, 1962-63, approximately 320 pages per copy, trim size 5½ in. by 8½ in.	University Press	Phillips Bros., Inc., Springfield	6 851 25 f.o.b. delivered
Thirty-six memo books, various sizes 4,016 ring binders, three-ring, various sizes 1,074 composition notebooks, bound, size 5 in. by 7 in. 132 order books, various sizes 1,728 notebooks, shorthand, size 5 in. by 8 in.	Office Supply Storeroom, Urbana, and Chicago Colleges and Divisions	Acro-Adroit, Inc., Chicago	6 592 00 f.o.b. delivered
The above are for Office Supply Storeroom and for the Chicago Medical Center Campus and is an estimated ten- to twelve-month supply			
Steel office furniture with option to purchase small odd lot quantities between scheduled shipments, if needed, at the base bid unit prices plus 6 per cent	Office Supply Storeroom	All-Steel Equipment, Inc., Aurora	95 169 52 f.o.b. delivered
Examination booklets, 8½ in. by 11 in. white, faint ruled, 16 lb., No. 4 sulphite bond, as follows: 100,000 sixteen-page 300,000 eight-page 100,000 four-page	Office Supply Storeroom	C. P. Lesh Paper Co., Indianapolis, Ind.	5 785 00 f.o.b. delivered
One paper cutter, 42-in. capacity from back gauge to knife, complete with standard accessories, six cutting knives, electric motors and controls less credit for trade-in of one 33-in. capacity paper cutter; the supplier will be responsible for removal of the trade-in cutter and for the installation of the new paper cutter	Office Supply Storeroom	Schimanek International, Inc., Chicago	6 450 00 f.o.b. delivered and installed
One duplicator, offset, with maximum copy area of 9½ in. by 13 in., equipped with work organizer, flexible light fixture, jogger, and quick change card magazine	Public Information	Maginn Office Equipment Co., Champaign	2 982 00 f.o.b. delivered and installed

On motion of Mr. Johnston, these purchases were authorized.

#### THE COMPTROLLER'S REPORT OF CONTRACTS

(13) The Comptroller's report of contracts executed during the period October 1 to 31, 1962.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Hoffman-LaRoche, Inc.	Factors influencing the vitamin A nutrition of cattle, sheep, and laboratory animals	\$ 3 000 00	October 5, 1962
State of Illinois Department of Mental Health Project 17-106	Chromosomal abnormalities in mental retardation	19 479 00	July 5, 1962
State of Illinois Department of Mental Health Project 17-121	Residency training in psychiatry	55 321 00	July 5, 1962
University of Virginia (Task order under Nonr-3623 (S-6))	Statistical properties of two-phase flow	27 000 00	October 1, 1962
<b>Total</b>		<b>\$104 800 00</b>	

**Leases**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Business Machines Corp.	Four keypunches	\$ 288 00 (per year)	September 20, 1962

**Contract Changes**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Rohm and Haas Co. (under its prime contract with United States Army)	Stress problems for solid propellant rockets	\$ 4 500 00	September 15, 1962
United States Air Force AF 18 (600) 662	Electronic properties of nonmetallic crystals	3 574 83	August 23, 1962
United States Air Force AF 33 (616) 8177	Deformation and fracture of crystalline solids under dynamic loading	9 866 00	September 17, 1962
United States Army DA 49-193-MD-2212	Anti-radiation drugs	19 639 00	August 6, 1962
United States Atomic Energy Commission AT (11-1) 691	Radioactive chemistry and chemical kinetics	63 961 00	September 26, 1962
United States Atomic Energy Commission AT (11-1) 1195	Elementary particle physics	70 000 00	October 12, 1962
United States Atomic Energy Commission AT (11-4) 1198	Use charge for portion of Materials Research Laboratory used in commission supported research	195 797 00	October 9, 1962
United States Navy NBy-24976	Welding procedures, including pre-heating and stress-relieving	15 000 00	October 2, 1962
United States Navy NObs-86112	Pressure vessel design	20 000 00	September 24, 1962
United States Navy Nonr 1834(12)	Properties of insulating solids	24 000 00	September 1, 1962
United States Navy Nonr 1834(18)	Variety of topics in number theory	20 000 00	August 15, 1962
United States Navy Nonr 1834 (30)	Mechanism of halophilism in bacteria	6 000 00	August 8, 1962
United States Navy Nonr 1834 (38)	Dependence of dielectric properties on crystal structures, chemical composition, and defect concentration	30 000 00	August 20, 1962
<b>Total</b>		<b>\$482 337 83</b>	

**Adjustments Made in 1961-62 Cost-Plus Contracts**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Fourteen items: \$79.36 deduct to \$532.19	\$ 1 302 95	September, 1962

This report was received for record.

**QUARTERLY REPORT OF THE COMPTROLLER**

(14) The Comptroller presented his quarterly report to the Board as of September 30, 1962.

This report was received for record, and a copy has been filed with the Secretary of the Board.

**INVESTMENT REPORT****Report of the Finance Committee**

(15) Mr. Williamson, for the Finance Committee, reported the following changes in investments of trust funds from April 1 through September 30, 1962:



*Endowment Pool**Sale*

\$ 5 000	Chicago, Illinois, Electric Light	3¼ per cent	1/1/70	\$	5 128 50
3 000	Ashland Oil and Refining SF	3½	9/1/71		2 872 50
5 000	Chicago Park District	3½	11/1/71		5 247 50
5 000	Dallas SD, Texas	3.10	12/1/73		5 078 00
1 000	Rheem Manufacturing SF	3⅞	8/1/75		846 73
5 000	Adrian SD, Michigan	2¾	6/1/81		4 432 50
200 shares	Bethlehem Steel common stock				8 241 89
114 shares	Borden Company common stock				7 296 61
75 shares	Borg Warner common stock				2 985 39
110 shares	Iowa-Illinois Gas and Electric common stock				5 409 46
15 shares	Northern Illinois Gas Company common stock				933 88
200 shares	Pillsbury Company common stock				9 153 87
60 shares	Public Service Company of Colorado common stock				5 659 99
134 shares	Shell Oil Company common stock				5 029 72
150 shares	Union Pacific Railroad common stock				4 618 07
50 shares	William Wrigley, Jr., Company common stock				5 979 44

*Exchange*

\$ 4 000	U. S. Treasury bonds	2¼ per cent	6/15/62 for		
4 000	U. S. Treasury certificates	3¼	5/15/63.		
4 000	U. S. Treasury certificates	3¼	5/15/63 for		
4 000	U. S. Treasury notes	3¼	8/15/67.		

*Purchase*

\$28 000	Aluminum Company of America	4¼ per cent	1/1/82	\$	28 292 68
150 shares	Ford Motor Company common stock				14 126 29
400 shares	Northern States Power common stock				13 819 37
150 shares	Quaker Oats Company common stock				12 359 68
250 shares	Standard Oil Company of Indiana common stock				11 662 75

*Cole Living Trust**Purchase*

\$2 000	Spokane SD, Washington	3 per cent	4/1/85-72	\$	1 844 72
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*Dennis Children**Exchange*

\$2 000	U. S. Treasury bonds	2¼ per cent	6/15/62 for		
2 000	U. S. Treasury certificates	3¼	5/15/63.		

*Duke**Purchase*

\$6 000	U. S. Treasury certificates	3½ per cent	2/15/63	\$	6 041 25
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*Matula Oral Biochemistry**Purchase*

\$1 000	Aluminum Company of America	4¼ per cent	1/1/82	\$	1 005 00
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*Merck and Company Lectures**Sale*

\$1 000	U. S. Treasury notes	4 per cent	5/15/63	\$	1 006 88
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*Miller**Sale*

600 shares	Tampa Electric common stock			\$	20 947 05
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*Chicago — City of Chicago Escrow*

Exchange			
\$178 000	U. S. Treasury notes	3¼ per cent	8/15/62 for
178 000	U. S. Treasury certificates	3½	8/15/63.

**Report of the Comptroller**

The Comptroller reports the following changes in investments of unexpended plant and current funds, over which he has authority as shown:

*Current Funds**Restricted Group (June 20, 1962)*

Exchange			
\$1 000 000	U. S. Treasury notes	4 per cent	5/15/62 for
1 000 000	U. S. Treasury certificates	3½	5/15/63.
Deposit			
\$2 000 000	Continental Illinois National Bank special account		\$2 000 000 00
2 000 000	First National Bank of Chicago special account		2 000 000 00
1 000 000	Harris Trust and Savings Bank special account		1 000 000 00
Purchase			
\$ 100 000	CIT Financial Corporation notes	1/28/63	\$ 98 116 32
200 000	General Motors Acceptance Corporation notes	1/28/63	196 232 64
300 000	General Motors Acceptance Corporation notes	4/16/63	292 687 50
200 000	Sears, Roebuck Acceptance Corporation notes	1/28/63	196 232 64
200 000	Sears, Roebuck Acceptance Corporation notes	4/16/63	195 125 00
1 700 000	U. S. Treasury bills	5/31/62	1 693 283 06
2 500 000	U. S. Treasury bills	6/21/62	2 497 066 67
700 000	U. S. Treasury bills	6/28/62	697 569 45
700 000	U. S. Treasury bills	7/19/62	694 620 89
1 700 000	U. S. Treasury bills	8/2/62	1 691 265 34
750 000	U. S. Treasury bills	8/30/62	749 265 00
1 500 000	U. S. Treasury bills	9/27/62	1 498 926 67
600 000	U. S. Treasury bills	10/15/62	598 873 33
1 500 000	U. S. Treasury bills	11/1/62	1 495 198 33
1 000 000	U. S. Treasury certificates	3½ per cent	8/15/62
			1 000 000 00

*Construction Funds**Chicago — Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953)*

Purchase			
\$100 000	U. S. Treasury bills	8/9/62	\$ 99 313 00

*Housing Revenue Bonds of 1958 (December 17, 1958, and March 12, 1959)*

Purchase			
\$ 9 000	U. S. Treasury bills	6/21/62	\$ 8 963 88
9 000	U. S. Treasury bills	7/15/62	8 987 08
17 000	U. S. Treasury bills	8/2/62	16 876 90
10 000	U. S. Treasury bills	8/23/62	9 976 72
10 000	U. S. Treasury bills	10/4/62	9 956 57
10 000	U. S. Treasury bills	10/15/62	9 981 94
4 000	U. S. Treasury bills	10/18/62	3 978 51

*Graduate Housing (June 23, 1959)*

Purchase			
\$ 12 000	U. S. Treasury bills	6/28/62	\$ 11 943 72

## Assembly Hall (June 23, 1959, and March 17, 1962)

## Purchase

\$390 000	U. S. Treasury bills	9/13/62	\$ 386 199 21
309 000	U. S. Treasury bills	10/15/62	305 513 53
318 000	U. S. Treasury bills	11/15/62	314 310 40
380 000	U. S. Treasury bills	12/13/62	375 622 61
834 000	U. S. Treasury bills	1/15/63	823 576 85
260 000	U. S. Treasury bills	2/14/63	256 921 60

## Peabody Drive (October 21, 1959)

## Sale

\$ 60 000	U. S. Treasury bills	4/15/62	\$ 59 950 13
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## Purchase

\$173 000	U. S. Treasury bills	7/15/62	\$ 172 187 02
320 000	U. S. Treasury bills	8/16/62	318 928 80
310 000	U. S. Treasury bills	9/20/62	309 216 39
50 000	U. S. Treasury bills	10/15/62	49 925 92
248 000	U. S. Treasury bills	11/15/62	247 032 80

## Orchard Downs (June 14, 1960)

## Sale

\$120 000	U. S. Treasury notes	3¼ per cent	8/15/62	\$ 120 143 75
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## Purchase

\$ 75 000	U. S. Treasury bills	5/10/62	\$ 74 874 46
35 000	U. S. Treasury bills	6/7/62	34 936 48
40 000	U. S. Treasury bills	6/22/62	39 882 87
40 000	U. S. Treasury bills	7/15/62	39 905 00
20 000	U. S. Treasury bills	7/19/62	19 943 06
27 000	U. S. Treasury bills	9/13/62	26 890 80
255 000	U. S. Treasury bills	9/20/62	254 440 06
280 000	U. S. Treasury bills	10/25/62	279 292 22

## Illini Union and Health Center (December 21, 1960)

## Sale

\$2 571 000	U. S. Treasury certificates	3¼ per cent	5/15/63	\$2 574 213 75
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## Exchange

\$ 811 000	U. S. Treasury notes	4 per cent	5/15/62 and
1 760 000	U. S. Treasury bonds	2¼	6/15/62 for
2 571 000	U. S. Treasury certificates	3¼	5/15/63.

## Purchase

\$310 000	U. S. Treasury bills	6/14/62	\$ 309 514 33
610 000	U. S. Treasury bills	9/13/62	604 716 25
340 000	U. S. Treasury bills	10/15/62	336 265 38
840 000	U. S. Treasury bills	11/15/62	828 578 34
285 000	U. S. Treasury bills	11/29/62	281 294 52
194 000	U. S. Treasury bills	12/6/62	192 617 10
162 000	U. S. Treasury bills	12/13/62	160 123 73
290 000	U. S. Treasury bills	1/15/63	286 530 63
365 000	U. S. Treasury bills	2/14/63	360 708 41

## Student Services (May 17, 1961)

## Sale

\$ 53 000	U. S. Treasury bonds	2¼ per cent	6/15/62	\$ 53 490 23
40 000	U. S. Treasury bills		9/13/62	39 694 76
235 000	U. S. Treasury certificates	3¼	5/15/63	235 308 97

## Exchange

\$ 75 000	U. S. Treasury bonds	2¼ per cent	6/15/62 and
160 000	U. S. Treasury certificates	3	5/15/62 for
235 000	U. S. Treasury certificates	3¼	5/15/63.

Purchase				
\$ 60 000	U. S. Treasury bills		4/15/62	\$ 59 948 20
115 000	U. S. Treasury bills		6/14/62	114 823 67
173 000	U. S. Treasury bills		9/13/62	171 541 74
177 000	U. S. Treasury bills		10/15/62	176 090 82
35 000	U. S. Treasury bills		11/15/62	34 853 70

## Pennsylvania Avenue (June 21, 1961)

Sale				
\$ 47 000	U. S. Treasury bonds	2 $\frac{1}{4}$ per cent	6/15/62	\$ 47 434 74
25 000	U. S. Treasury notes	3 $\frac{1}{4}$	8/15/62	25 371 51
818 000	U. S. Treasury certificates	3 $\frac{1}{4}$	5/15/63	818 282 00

Exchange				
\$513 000	U. S. Treasury bonds	2 $\frac{1}{4}$ per cent	6/15/62 and	
260 000	U. S. Treasury notes	4	5/15/62 and	
45 000	U. S. Treasury certificates	3	5/15/62 for	
818 000	U. S. Treasury certificates	3 $\frac{1}{4}$	5/15/63.	

Purchase				
\$500 000	U. S. Treasury bills		6/14/62	\$ 499 078 33
325 000	U. S. Treasury bills		9/13/62	322 101 75
215 000	U. S. Treasury bills		10/15/62	213 062 43
650 000	U. S. Treasury bills		10/18/62	646 860 50
190 000	U. S. Treasury bills		11/15/62	188 969 25
20 000	U. S. Treasury bills		12/13/62	19 872 50

## Orchard Downs Addition (May 24, 1962)

Purchase				
\$ 40 000	U. S. Treasury bills		7/19/62	\$ 39 886 11
170 000	U. S. Treasury bills		8/16/62	169 369 87
35 000	U. S. Treasury bills		8/30/62	34 898 40
140 000	U. S. Treasury bills		9/13/62	139 172 44
130 000	U. S. Treasury bills		10/11/62	128 955 96
140 000	U. S. Treasury bills		11/15/62	138 491 85
110 000	U. S. Treasury bills		12/13/62	108 561 02
90 000	U. S. Treasury bills		1/15/63	88 570 00
180 000	U. S. Treasury notes	3 $\frac{1}{4}$ per cent	2/15/63	180 281 25
100 000	U. S. Treasury bills		4/15/63	97 631 67
40 000	U. S. Treasury bills		3/14/63	39 436 80
300 000	U. S. Treasury notes	3 $\frac{1}{4}$	5/15/63	300 468 75
540 000	U. S. Treasury bonds	2 $\frac{1}{2}$	8/15/63	536 962 50
46 000	U. S. Treasury notes	4 $\frac{1}{8}$	11/15/63	47 063 75

## Sinking Funds

## Chicago — Dentistry-Medicine-Pharmacy Reserve (December 16, 1953)

Exchange				
\$194 000	U. S. Treasury bonds	2 $\frac{1}{4}$ per cent	6/15/62 for	
194 000	U. S. Treasury notes	3 $\frac{1}{8}$	2/15/66.	

Purchase				
\$ 3 000	U. S. Treasury notes	3 $\frac{5}{8}$ per cent	2/15/66	\$ 3 020 63

## Dormitory Revenue Bonds of 1956 (March 23, 1956)

Purchase				
\$ 34 000	U. S. Treasury bonds	2 $\frac{1}{2}$ per cent	8/15/63	\$ 33 789 06
46 000	U. S. Treasury bills		9/21/62	45 900 18
5 500	U. S. Treasury bonds	3	2/15/64	5 477 66

## Women's Residence Halls of 1956 (September 18, 1956)

Purchase				
\$ 92 000	U. S. Treasury bills		9/21/62	\$ 91 800 36
4 000	U. S. Treasury bonds	2 $\frac{1}{2}$ per cent	8/15/63	3 981 25
36 000	U. S. Treasury bonds	3	2/15/64	35 853 75
45 000	U. S. Treasury notes	5	8/15/64	46 392 19

## Men's Residence Halls of 1957 (March 12, 1957, and November 18, 1959)

## Purchase

\$120 000	U. S. Treasury bills	9/21/62	\$ 119 734 43
57 000	U. S. Treasury certificates	3½ per cent 2/15/63	57 148 60
118 000	U. S. Treasury bonds	2½ 8/15/63	117 225 63
30 000	U. S. Treasury bonds	3 2/15/64	29 878 13

## Housing Revenue Bonds (December 17, 1958, June 23, 1959, October 21, 1959, June 14, 1960, June 21, 1961, and May 24, 1962)

## Sale

\$ 91 000	U. S. Treasury bills	2/7/63	\$ 90 031 76
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## Purchase

\$454 000	U. S. Treasury bills	9/20/62	\$ 452 886 72
39 000	U. S. Treasury bills	9/21/62	38 757 81
518 000	U. S. Treasury bills	2/7/63	510 808 44
39 000	U. S. Treasury notes	3¼ per cent 2/15/63	39 060 94
35 500	U. S. Treasury bonds	2½ 8/15/63	35 267 03

## Assembly Hall (June 23, 1959, and March 17, 1962)

## Purchase

\$ 24 000	U. S. Treasury bills	9/21/62	\$ 23 723 17
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## Illini Union and Health Center (December 21, 1960)

## Purchase

\$157 000	U. S. Treasury bills	9/21/62	\$ 155 486 79
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## Student Services (May 17, 1961)

## Purchase

\$ 27 000	U. S. Treasury bills	9/21/62	\$ 26 932 29
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On motion of Mr. Williamson, the Committee's actions were confirmed, and the report was received for record.

#### EXTENSION OF CONTRACT WITH THE ATOMIC ENERGY COMMISSION

(16) On April 1, 1961, a contract was entered into with the Atomic Energy Commission for a research program, "Studies of Pattern Recognition and Data Handling Problems Arising in the Analysis of Bubble Chamber Photographs of High Energy Particle Events." The research work has been conducted in the Digital Computer Laboratory. The original contract was for an eight-month period, and provided payments to the University not to exceed \$99,743. Subsequently, the contract was amended to provide additional funds of \$223,034 for continuation of the research program through November 30, 1962.

A proposal has now been prepared requesting a total of \$978,109 of additional funds for a two-year period beginning December 1, 1962. The amended contract will provide for the purchase of equipment at an estimated total cost of \$558,940, which is required for assembling auxiliary units for the Digital Computer.

This proposal has been approved by all recommending officers in the Digital Computer Laboratory, the Graduate College, and by the Vice-President and Comptroller. Because of the amount of funds being requested, including funds for capital expenditures, approval must also be secured from the Illinois Board of Higher Education.

On motion of Mr. Swain, this proposal was authorized.

#### ASSOCIATION OF GOVERNING BOARDS OF STATE UNIVERSITIES AND ALLIED INSTITUTIONS

Mrs. Frances B. Watkins and Mr. A. J. Janata reported informally on the annual meeting of the Association of Governing Boards of State Universities and Allied Institutions at the University of Michigan, October 9-13, 1962, which they attended as official delegates of the Board of Trustees of the University of Illinois.

#### REPORT ON STUDENT HOUSING

Mr. V. L. Kretschmer, Director of Auxiliary Services, reported on current housing capacities for students at Urbana-Champaign in relation to the enrollment for the first semester of 1962-63. A copy of his report has been filed with the Secretary for record.

#### FIXED-BASE OPERATION AT UNIVERSITY OF ILLINOIS-WILLARD AIRPORT

President Clement reported he has received a request from Astro, Inc. — Aeronautical Sales, Training, and Research Organization — of Champaign, for a hearing on its application to the University for establishment of a fixed-base operation at the University of Illinois-Willard Airport. Mr. Clement stated that he will refer this request to the Committee on Buildings and Grounds for a hearing.

#### INSPECTION OF NEW BUILDINGS

The Secretary reported that Mrs. Watkins, Mr. Dilliard, and Mr. Williamson made an inspection on the afternoon of November 8 of three new buildings recently completed on the Urbana-Champaign campus: Student Services Building, Institute of Labor and Industrial Relations Building, and the Health Services Addition to McKinley Hospital.

#### DEGREES CONFERRED

The Secretary presented for record the list of degrees conferred at Urbana, Illinois, as of October 15, 1962, on recommendation of the Urbana-Champaign Senate, and requested authority to include them in the minutes of October 17, 1962.

On motion of Mr. Dilliard, these degrees were conferred, as recommended, and authority was given as requested.

#### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations; leaves of absence.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ABBOUD, LOUIS M., Assistant in Pharmacognosy and Pharmacology (Pharmacy), nine months from September 16, 1962, \$4,000 (10-12-62).

ALBRIGHT, MRS. LORRAINE H., Assistant in Home Economics (C),  $\frac{3}{4}$  time, \$3,675, and Counselor in the Student Counseling Service,  $\frac{1}{4}$  time, \$1,225, nine months from September 16, 1962 (10-12-62).

ALVAREZ, JULIAN, Research Associate in Biological Chemistry (Medicine), one year from September 1, 1962, \$7,200, supersedes (10-12-62).

ARAI, MARY N., Visiting Instructor in Physiology and Biophysics, September 16, 1962-January 31, 1963, \$388.88 a month (10-26-62).

AVIZIENIS, ALDONA, Research Assistant in Microbiology (Medicine), eleven months from October 1, 1962, \$5,200 a year (10-12-62).

BADGER, VIRGINIA M., Assistant in Orthopaedic Surgery (Medicine), one year from July 1, 1962, without salary (10-1-62).

BAKER, C. M. ANN, Research Associate in Physiology and Biophysics,  $\frac{1}{2}$  time, one year from September 1, 1962, \$3,900 (10-19-62).

BAKER, FOREST N., Research Associate in Dairy Science (S), one year from September 1, 1962, \$6,000 (10-12-62).

BARCELO, RAYMOND, Research Assistant in Medicine (Medicine), one year from September 1, 1962, without salary (9-27-62).

- BARKLEY, MRS. CLARE E., Assistant in Verbal Communication (Division of General Studies), nine months from September 16, 1962, \$4,000 (10-12-62).
- BARRY, DENNIS, Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), eleven months from October 1, 1962, \$7,300 a year, supersedes (10-1-62).
- BESS, LEON, Assistant Professor of Physics (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$8,000, supersedes (10-12-62).
- BEZKOROVAINY, ANATOLY, Assistant Professor of Biological Chemistry (Medicine), one year from September 1, 1962, without salary (10-3-62).
- BORASKY, RUBIN, Electron Micrographer in the School of Life Sciences, one year from September 1, 1962, \$10,200, supersedes (10-12-62).
- BROUSSARD, LOUIS, Instructor in English (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$6,600 (10-12-62).
- BRYANT, ROBERT E., Instructor in Dentistry,  $\frac{3}{4}$  time, one year from September 1, 1962, \$4,650, supersedes (10-2-62).
- BUNGERT, WILLIAM C., Research Associate in Education (University High School), academic year beginning September 1, 1962, \$6,600 (10-12-62).
- CALENOFF, LEONID, Instructor in Radiology (Medicine),  $\frac{3}{4}$  time, eleven months from October 1, 1962, \$7,200 a year, supersedes (10-1-62).
- CAPORAL, MARY L., Program Supervisor, Women's Intramurals (College of Physical Education),  $\frac{1}{2}$  time, nine months from September 16, 1962, \$2,000 (10-12-62).
- CHAN, KWING-SEUNG, Research Associate in Chemistry, October 15, 1962-August 31, 1963, \$6,000 a year (10-16-62).
- CHENOWETH, MRS. LYNN I. W., Assistant in Nursing, eleven months from October 1, 1962, \$5,500 a year (10-23-62).
- CHIU, REN-JONG, Research Associate in Botany, October 16, 1962-August 31, 1963, \$7,000 a year (10-12-62).
- CHURCHICH, JORGE E., Research Associate in Chemistry, one year from September 1, 1962, \$8,070, supersedes (10-12-62).
- CLARK, MRS. ARDATH M., Assistant in English, nine months from September 16, 1962, \$4,000 (10-12-62).
- CLARK, JOHN M., JR., Assistant Professor of Biological Chemistry, academic year beginning September 1, 1962, \$8,000 (10-12-62).
- CLARK, SHIRLEY A., Instructor in Home Economics (C and S), one year from September 1, 1962, \$6,100 (10-12-62).
- COX, GEORGE, Research Associate in Biological Chemistry (Medicine), September 10, 1962-August 31, 1963, \$7,500 a year (10-12-62).
- CRANDALL, (MR.) CORYL, Assistant in English, September 16, 1962-January 31, 1963, \$466.67 a month, supersedes (10-12-62).
- DEANESLY, MARGARET, Assistant in Medicine (Medicine), one year from July 1, 1962, without salary (10-1-62).
- DEJONG, GEORGE A., Clinical Associate in Medicine (Medicine), one year from September 1, 1962, without salary (10-3-62).
- DEN OUDEN, GERRIT, Research Associate in Physics (C), eleven months from October 1, 1962, \$7,500 a year, supersedes (10-12-62).
- DEPEYSTER, FREDERIC A., Clinical Associate Professor of Surgery (Medicine), indefinite tenure from September 1, 1962, without salary (10-12-62).
- DIMMITT, DONALD P., Instructor in Art (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$6,000 (10-12-62).
- DOUGHTY, CLYDE, Assistant Professor of Biological Chemistry (Medicine), September 15, 1962-August 31, 1963, \$10,700 a year (10-12-62).
- DUTTA, TUSHAR RANJAN, Visiting Instructor in Biological Sciences (Chicago Undergraduate Division), nine months from September 16, 1962, \$5,800 (10-12-62).
- ECHOLS, HARVEY L., Research Assistant in Preventive Medicine (Medicine), eleven months from October 1, 1962, \$7,135 a year, supersedes (10-12-62).
- ECKNER, FRIEDRICH A. O., Lecturer in Pathology with rank of Clinical Instructor (Medicine), one year from September 1, 1962, without salary (8-8-62).
- ERICKSON, DUANE E., Assistant Professor of Farm Management (Agricultural Economics) (E and S), eleven months from October 1, 1962, \$9,000 a year (10-12-62).
- ERLENBORN, JAMES W., Clinical Assistant in Medicine (Medicine), one year from September 1, 1962, without salary (10-1-62).

- ERWIN, JOSEPH C., Assistant Professor of Pathology (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1962, \$9,000, supersedes nonsalaried appointment (10-12-62).
- EVANSON, LEONARD, Instructor in Applied Materia Medica and Therapeutics (Dentistry),  $\frac{1}{2}$  time, September 17, 1962-August 31, 1963, \$3,750 a year (10-12-62).
- FAGELSON, DAVID L., Clinical Assistant in Otolaryngology (Medicine), one year from September 1, 1962, without salary (8-8-62).
- FASHING, EDWARD M., Assistant in Chemistry (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,800 (10-12-62).
- FEJFAR, JAMES L., Assistant in Education,  $\frac{1}{2}$  time, and Counselor, University Council on Teacher Education, Teacher Training Counsel,  $\frac{1}{2}$  time, nine months from September 16, 1962, \$4,900, supersedes (10-19-62).
- FOLSON, ANGELA T., Consultant in Psychology, with rank of Assistant Professor, one year from September 1, 1962, without salary (10-23-62).
- FOOTE, BEVERLY D., Research Associate in Chemistry,  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$3,600 (10-26-62).
- FRIEND, MRS. BEVERLY, Instructor in English (Chicago Undergraduate Division), to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, \$2,600 (10-15-62).
- FULLER, JOHN B., Professor of Clinical Pathology, at the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, two years from August 16, 1962, \$2,000 a month from August 16-31, 1962 and \$2,050 a month from September 1, 1962-August 15, 1964; and Professor of Pathology and Director of Hospital Laboratories (Medicine), indefinite tenure from August 16, 1964, \$20,500 a year, supersedes (10-12-62).
- GALLACHER, PATRICK J., Research Assistant in English, nine months from September 16, 1962, \$4,000 (10-12-62).
- GAZET, JOHN C., Clinical Instructor in Surgery (Medicine), 45/100 time, eleven months from October 1, 1962, \$3,000 a year (10-23-62).
- GDALMAN, LOUIS, Clinical Instructor in Pharmacy (Pharmacy), one year from September 1, 1962, without salary (10-3-62).
- GRIMM, ARTHUR, Assistant Professor of Physiology (Medicine),  $\frac{1}{2}$  time, and of Histology (Dentistry),  $\frac{1}{2}$  time, one year from September 1, 1962, \$9,500, supersedes (10-24-62).
- GYORI, GUSTAVE, Clinical Instructor in Pathology (Medicine), one year from September 1, 1962, without salary (9-14-62).
- HERZ, JANICE R. G., Clinical Instructor in Pediatrics (Medicine), one year from September 1, 1962, without salary (8-29-62).
- HOCHHAUSER, MARTIN, Assistant Professor of Radiology (Medicine), 95/100 time, eleven months from October 1, 1962, \$13,775 a year, supersedes (10-1-62).
- HOSEK, JOSEPH J., Instructor in Pathology (Medicine) eleven months from October 1, 1962, \$9,600 a year, supersedes nonsalaried appointment (10-12-62).
- JAMES, EMORY, JR., Research Associate in Biological Chemistry (Medicine), one year from September 1, 1962, \$7,800 (10-12-62).
- KAHN, SHELDON M., Instructor in Medicine (Medicine), one year from July 1, 1962, without salary (8-3-62).
- KAMINSKI, EDWARD F., Instructor in Prosthodontics,  $\frac{1}{2}$  time, and in Fixed Partial Prosthodontics,  $\frac{1}{2}$  time (Dentistry), September 17, 1962-August 31, 1963, \$7,500 a year (10-12-62).
- KELLY, CLYDE B., Assistant in Psychiatry (Medicine), one year from September 1, 1962, without salary (9-27-62).
- KIM, W. S., Research Associate in Biological Chemistry (Medicine), ten months from November 1, 1962, \$7,500 a year (10-12-62).
- KOLB, MRS. DOROTHY, Assistant in German,  $\frac{2}{3}$  time, \$296.44 a month (10-22-62), and in English,  $\frac{1}{3}$  time, \$148.22 a month (10-12-62), September 16, 1962-January 31, 1963, supersedes.
- LAGOUDIS, BASIL E., Assistant in English (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,200 (10-26-62).
- LAVELLE, FAITH W., Research Associate in Anatomy (Medicine),  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$3,200 (10-24-62).



- LEEF, GERALD S., Instructor in Radiology (Medicine), one year from September 1, 1962, without salary (8-3-62).
- LINDLEY, DANIEL A., JR., Instructor in Education (University High School), academic year beginning September 1, 1962, \$6,500, supersedes (10-12-62).
- LISTON, WILLIAM T., Assistant in English, nine months from September 16, 1962, \$4,200, supersedes (10-12-62).
- LOFTUS, BEVERLY G., Assistant Editor in the Graduate College, October 16, 1962-August 31, 1963, \$6,000 a year (10-16-62).
- MACKLER, HYMAN, Research Associate in Preventive Medicine (Medicine), one year from September 1, 1962, \$10,500 (10-24-62).
- MADRILEJO, NORA G., Assistant in Anesthesiology (Department of Surgery) (Medicine), one year from July 1, 1962, without salary (8-29-62).
- MALTER, RICHARD F., Psychometrist and Assistant in Psychology (Chicago Undergraduate Division), one year from September 1, 1962, \$5,400, supersedes (10-12-62).
- MARCUS, DAVID A., Clinical Instructor in Psychiatry (Medicine), eleven months from October 1, 1962, without salary (10-12-62).
- MARKOVIC, MIHAILO A., Research Associate in Anatomy (Medicine), eleven months from October 1, 1962, \$6,600 a year (10-12-62).
- MARSHALL, WILBUR J., Clinical Assistant Professor of Obstetrics and Gynecology (Medicine), one year from September 1, 1962, without salary (10-3-62).
- MATZ, DETLEE, Research Associate in Physics (C), eleven months from October 1, 1962, \$7,500 a year, supersedes (10-12-62).
- McELDOWNEY, HAROLD, Professor of Architecture and Head of the Department, on indefinite tenure,  $\frac{1}{2}$  time, and Assistant Dean of the College of Fine and Applied Arts, one year,  $\frac{1}{2}$  time, to render service during each academic year from September 1, 1962 (Chicago Undergraduate Division), \$12,650 a year, supersedes (10-12-62).
- McFATE, PATRICIA A., Instructor in Humanities (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$5,200, supersedes (10-12-62).
- McMAHON, VERN A., Assistant in Botany, September 16, 1962-January 31, 1963, \$444.44 a month (10-23-62).
- MERRILL, MARY E., Assistant in English (Division of English for Foreign Students), nine months from September 16, 1962, \$4,000 (10-12-62).
- METZGER, MRS. ERIKA, Instructor in German, September 16, 1962-January 31, 1963, \$4,800 a year (10-24-62).
- MODAI, DAVID, Research Assistant in Medicine (Medicine), July 24, 1962-June 30, 1963, without salary (8-8-62).
- MODE, ELST H., Assistant in Chemistry, September 16, 1962-January 31, 1963, full time, \$2,000, and February 1-June 15, 1963,  $\frac{1}{2}$  time, \$1,000, supersedes (10-24-62).
- MONTGOMERY, CLARK A., Instructor in Medicine (Medicine),  $\frac{4}{5}$  time, one year from September 1, 1962, \$6,135, supersedes (10-23-62).
- MURRAY, ELLIOTT C., Instructor in Psychiatry (Medicine), July 1, 1962-August 31, 1963, without salary (8-29-62).
- NAGATA, TETSUJI, Research Assistant in Physiology and Biophysics, one year from October 1, 1962, \$5,400 (10-23-62).
- NEWMAN, WILLIAM H., Clinical Instructor in Orthopaedic Surgery (Medicine), one year from September 1, 1962, without salary (10-12-62).
- NORSEN, JEANETTE, Research Assistant in Preventive Medicine (Medicine), one year from September 1, 1962, \$6,200 (10-12-62).
- NORTON, ROBERT H., Research Assistant in Pharmacognosy and Pharmacology (Pharmacy), October 15, 1962-August 31, 1963, \$5,700 a year (10-26-62).
- NOVAK, RICHARD F., Clinical Instructor in Pathology (Medicine), one year from September 1, 1962, without salary (8-29-62).
- PARKS, JOE M., Instructor in Chemistry,  $\frac{1}{2}$  time, to render service during the first semester of the academic year, September 16, 1962-January 31, 1963, \$1,800; this is in addition to his appointment as United States Public Health Postdoctoral Fellow in Chemistry (10-12-62).
- PATTERSON, VIRGINIA N., Assistant Professor of Radiology (Medicine), 95/100 time, eleven months from October 1, 1962, \$13,775 a year, supersedes (10-1-62).

- PAUL, M., Research Associate in the Digital Computer Laboratory, four months from October 1, 1962, \$3,200 (10-12-62).
- PIETROKOVSKI, JAIME, Research Assistant in Pedodontics (Dentistry), one year from September 1, 1962, \$6,000 (10-12-62).
- PLAGGE, JAMES C., Professor of Anatomy (Medicine), 4/10 time, \$6,400 a year, and Coordinator, University of Illinois Chiangmai Project (AID Thailand) No. 2-46-33-01-3-16, 6/10 time, \$9,600, one year from September 1, 1962; and Professor of Anatomy (Medicine), on indefinite tenure from September 1, 1963, \$16,000 a year, supersedes (10-12-62).
- PULLIAM, WILLIAM E., Assistant in Education (University High School), nine months from September 16, 1962, \$5,400, supersedes (10-12-62).
- REED, MRS. BARBARA L., Lecturer in Recreation and Municipal Park Administration (College of Physical Education), to render service during the first semester of the academic year, September 1, 1962-February 28, 1963, without salary, supersedes nonacademic appointment (10-12-62).
- REGIER, CHARLOTTE L., Instructor in Medical Social Work (Medicine), eleven months from October 1, 1962, \$7,000 a year (10-12-62).
- REYNOLDS, HARRY A., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1962, \$9,000 (10-12-62).
- RICHARTZ, LEON E., Assistant Professor in the Graduate School of Business Administration (College of Commerce and Business Administration), ten months from November 1, 1962, to render service during the academic year, \$8,000 a year, supersedes (10-19-62).
- ROTHMAN, ROBERT J., Assistant in Orthopaedic Surgery (Medicine), one year from July 1, 1962, without salary (10-1-62).
- RUOSS, MARJORIE, Assistant in Nursing, eleven months from October 1, 1962, \$5,500 a year (10-23-62).
- RUSS, DONALD R., Associate Professor of Pathology, on indefinite tenure, and Acting Director of Hospital Laboratories (Medicine), one year from September 1, 1962, \$18,000 a year, supersedes (10-12-62).
- SANKARAN, BALU, Research Associate in Orthopaedic Surgery (Medicine), nine months from July 1, 1962, without salary (9-4-62).
- SCHACHT, SYLVIA N., Assistant in English, September 16, 1962-January 31, 1963, \$444.44 a month (10-12-62).
- SELANDER, RICHARD B., Associate Professor of Entomology, August 16-31, 1962, \$455.55; this is in addition to his previous appointment (10-12-62).
- SEVASTIKOGLU, JOHN A., Research Associate in Orthopaedic Surgery (Medicine), eleven months from October 1, 1962, without salary (10-12-62).
- SHAPIRO, JULES S., Assistant in Orthopaedic Surgery (Medicine), one year from July 1, 1962, without salary (10-1-62).
- SHEKELLE, RICHARD B., Research Associate in Psychiatry (Medicine), eleven months from October 1, 1962, \$9,500 a year, supersedes (10-12-62).
- SHERMAN, MARILYN J., Assistant in Education (University High School), nine months from September 16, 1962, \$5,400 (10-12-62).
- SHUMAN, FRANK H., Foreign Visitor's Consultant and Agricultural Extension Specialist, in the International Cooperation Programs (Executive Vice-President and Provost's Office), for service under Contract ICAC-1453 in Region I, Jabalpur, M.P., India, November 1, 1962-October 31, 1964, \$14,665 a year (10-24-62).
- SINHA, RAMESH C., Research Associate in Botany, one year from September 1, 1962, \$7,000, supersedes (10-12-62).
- SMITH, GEORGE H., JR., Instructor in Social Sciences (Chicago Undergraduate Division), 9/10 time, academic year beginning September 1, 1962, \$5,400, supersedes (10-12-62).
- SPENCER, JOE D., Research Assistant in Botany, one year from September 1, 1962, \$4,900 (10-23-62).
- STARSHAK, THOMAS J., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1962, without salary (8-29-62).
- STEARNS, MRS. CAROLE M., Instructor in Chemistry (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$6,600 (10-12-62).
- STREHL, FRANCIS W., Clinical Assistant Professor of Surgery (Medicine), 2/5 time, one year from September 1, 1962, \$3,300 (10-2-62).

- STIMLING, MURTON D., Instructor in Radiology (Medicine), one year from September 1, 1962, without salary (8-3-62).
- SULLIVAN, FRANK V., Instructor in Education (University High School),  $\frac{1}{2}$  time, and in Industrial Education,  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$5,200 (10-15-62).
- SWANSON, DAVID W., Clinical Instructor in Psychiatry (Medicine), August 1, 1962-August 31, 1963, without salary (8-29-62).
- TAUBMAN, JOANNE H., Clinical Instructor in Medicine (Medicine), August 15, 1962-August 31, 1963, without salary (8-29-62).
- TAYLOR, RICHARD P., Assistant in Radiology (Medicine), one year from September 1, 1962, without salary (8-8-62).
- TITCHENER, EDWARD B., Assistant Professor of Biological Chemistry (Medicine), 8/10 time, and Assistant Coordinator under Contract No. AID/fe-2 (Thailand Project), 2/10 time, one year from September 1, 1962, \$10,950, supersedes (10-12-62).
- TOLEDO, FERDINAND, Research Associate in Electrical Engineering (S), eleven months from October 1, 1962, \$7,200 a year, supersedes (10-10-62).
- TRAVA, MARIE F., Assistant in the College of Nursing, one year from September 1, 1962, \$6,000 (10-12-62).
- TREVINO, LUIS, Assistant Professor of Pediatrics (Medicine) and in the Division of Services for Crippled Children, 7/10 time, one year from September 1, 1962, \$6,300 (10-12-62).
- TRUPIN, JOEL S., Assistant in Dairy Science (C and S), one year from September 1, 1962, \$5,200 (10-12-62).
- TURCK, MARVIN, Assistant in Medicine (Medicine), one year from July 1, 1962, without salary (8-29-62).
- TYROLER, ROBERT L., Research Associate in Psychiatry (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1962, \$4,000 (10-12-62).
- VANNUYS, JOHN D., Clinical Assistant in Otolaryngology (Medicine), one year from September 1, 1962, without salary (8-8-62).
- VAUGHAN, H. E., Professor of Mathematics, academic year beginning September 1, 1962, \$14,000; and from September 1, 1963, on indefinite tenure, to render service during each academic year, \$12,500 a year, supersedes (10-24-62).
- WALLEY, JOHN E., Associate Professor of Art, on indefinite tenure, and Acting Head of the Department (Chicago Undergraduate Division), one year, to render service during each academic year, beginning September 1, 1962, \$10,300 a year, supersedes (10-12-62).
- WEI, LUN-SHIN, Research Associate in Food Technology (S), one year from September 1, 1962, \$7,500, supersedes (9-7-62).
- WIECZOREK, CASIMER, Assistant Chief Pharmacist in Hospital Pharmacy (Pharmacy), eleven months from October 1, 1962, \$7,700 a year, supersedes (10-2-62).
- WIEHLE, H. R., Visiting Research Associate in the Digital Computer Laboratory, four months from October 1, 1962, \$3,200 (10-12-62).
- WILLIS, EDWARD, Research Assistant in Plant Pathology (S), eleven months from October 1, 1962, \$5,600 a year, supersedes (10-12-62).
- WILSON, ROBERT G., Registered Pharmacist in Hospital Pharmacy (Pharmacy),  $\frac{1}{2}$  time, two months from October 1, 1962, \$308.34 a month, supersedes (10-12-62).
- WINZLER, RICHARD J., Professor of Biological Chemistry, at the Faculty of Medicine, Chiengmai Hospital, Chiengmai, Thailand, under Contract AID/fe-2, three months from August 16, 1962, \$2,100 a month from August 16-31, 1962, and \$2,175 a month September 1-November 15, 1962; and Professor of Biological Chemistry (Medicine), on indefinite tenure from November 16, 1962, \$21,750 a year, supersedes (10-12-62).
- WYATT, MARIE G., Assistant in Education (University High School), nine months from September 16, 1962, \$5,400, supersedes (10-12-62).

#### GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- ADAM, WILLIAM S., United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, \$2,700 (9-19-62).

- ALLERHAND, ADAM, Postdoctorate Fellow in Chemistry, one year from December 1, 1962, \$5,500, supersedes (10-16-62).
- ARONSON, NEIL, Part-Time Medical Student Research Fellow in Pediatrics, nine months from September 16, 1962, \$600 (9-27-62).
- ATKINS, GLADYS, United States Public Health Service Fellow in Physiology, one year from September 16, 1962, \$2,000 (10-1-62).
- BLAIN, CHARLOTTE M., Part-Time Medical Student Research Fellow in Anatomy, nine months from September 16, 1962, \$600 (9-27-62).
- BRUMLEY, LYLE E., United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-June 30, 1963, without salary, supersedes (9-26-62).
- CARBON, MICHAEL, Part-Time Medical Student Research Fellow in Medicine, nine months from September 16, 1962, \$600 (9-27-62).
- CARLSON, RUSSELL, Part-Time Medical Student Research Fellow in Anatomy, nine months from September 16, 1962, \$600 (9-26-62).
- CAVE, MAC DONALD, United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, \$2,340 (9-6-62).
- CHAMBERS, MRS. HAZEL M., Fellow in Sociology, nine months from September 16, 1962, \$1,500, and two months from June 15, 1963, \$375, supersedes (10-15-62).
- DIAB, ISHAN M., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, \$2,700 (9-21-62).
- DUERINCK, WAYNE, United States Public Health Service Fellow (Trainee) in Physiology, September 1, 1962-June 8, 1963, \$1,425 (9-21-62).
- EISENBERG, SARA, United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, \$2,520 (9-27-62).
- ESTOLAS, JOSEFINA V., Letitia Walsh Fellow in Home Economics Education, nine months from September 16, 1962, \$2,000 (10-5-62).
- FALK, BARBARA M., United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, \$2,040 (9-17-62).
- FISCHINGER, PETER, Part-Time Medical Student Research Fellow in Microbiology, nine months from September 16, 1962, \$600 (9-26-62).
- FRIEDMAN, ROBERT, United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 16, 1962-June 30, 1963, \$1,820.77 (9-26-62).
- FRIEDMAN, THEODORE A., Part-Time Medical Student Research Fellow in Physiology, nine months from September 16, 1962, \$600 (9-27-62).
- GANTT, RALPH R., United States Public Health Service Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, \$1,800 (9-26-62).
- GOLDMAN, BARRY, Part-Time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1962, \$600 (9-26-62).
- GORFINKEL, HARVEY J., Part-Time Medical Student Research Fellow in Physiology, nine months from September 16, 1962, \$600 (10-10-62).
- GRESICK, EDWARD W., United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-August 31, 1963, \$1,955 (9-25-62).
- HACHTEL, BARBARA M., United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-August 31, 1963, \$1,955 (9-19-62).
- HELM, FREDERIC C., Part-Time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1962, \$600 (9-28-62).
- HOFFMANN, JOAN C., United States Public Health Service Fellow (Trainee) in Physiology, September 16, 1962-June 30, 1963, \$1,900 (9-25-62).
- HOPPER, DOROTHIE M., United States Public Health Service Fellow (Trainee) in Psychiatry (Epilepsy), October 15, 1962-August 31, 1963, \$4,376 (8-29-62).
- JAKSTYS, BIRUTE A., United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-August 31, 1963, \$1,955 (9-19-62).
- JASINSKI, DONALD, Part-Time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1962, \$600 (9-26-62).
- KANT, KENNETH J., United States Public Health Service Fellow (Trainee) in Physiology and Biophysics, nine months from September 16, 1962, \$1,999.44 (10-9-62).
- KAUFFMAN, FREDERICK, United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, \$2,900 (8-10-62).
- KODAMA, ROBERT, United States Public Health Service Fellow (Trainee) in Physiology, September 16, 1962-June 30, 1963, \$1,425 (9-25-62).

- LANDES, ROBERT C., United States Public Health Service Fellow (Trainee) in Physiology, September 1, 1962-June 8, 1963, \$1,425 (9-25-62).
- LARK, RICHARD G., United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-June 30, 1963, without salary (9-17-62).
- LAWTON, IRENE, United States Public Health Service Fellow (Trainee) in Physiology, September 1, 1962-June 8, 1963, \$1,425 (9-25-62).
- LEE, JOSEPH, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, \$600 (10-10-62).
- LEVIN, ALAN S., Part-Time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1962, \$600 (9-26-62).
- LIPSON, LEON, Part-Time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1962, \$600 (9-26-62).
- LOTT, JAMES L., Engineering Faculty Development Research Fellow in Civil Engineering, nine months from September 16, 1962, \$1,285 (9-12-62).
- MANN, WILLIAM S., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, \$2,700 (8-27-62).
- MCCLOUD, MRS. MERLINE D., National Science Foundation Institute Fellow in Mathematics, nine months from September 16, 1962, \$1,000 (9-20-62).
- MEDNIEKS, MAIJA I., United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 16, 1962-June 30, 1963, \$1,820.77 (9-26-62).
- MILLER, RAYMOND P., Raymond Concrete Pile Company Fellow in Civil Engineering, October 1, 1962-June 15, 1963, \$1,416.67, supersedes (10-2-62).
- NEIDINGER, JOSEPH, United States Public Health Service Fellow (Trainee) in Physiology, September 16, 1962-June 30, 1963, \$2,216.35 (9-25-62).
- NOZU, KEIICHI, Postdoctoral Fellow (Trainee) in Microbiology, two months from November 1, 1962, \$558.33 a month (10-12-62).
- OSMANSKI, C. PAUL, United States Public Health Service Fellow (Trainee) in Dentistry, ten months from September 1, 1962, \$4,583.30 (9-12-62).
- PARKS, JOE M., United States Public Health Service Postdoctoral Fellow in Chemistry, one year from September 1, 1962, \$7,000; this is in addition to his appointment as Instructor in Chemistry on one-half time (10-12-62).
- PREVIC, EDWARD, United States Public Health Service Fellow in Biochemistry, one year from September 1, 1962, \$3,700 (9-25-62).
- PRITCHARD, JAMES D., United States Public Health Service Fellow (Trainee) in Physiology, September 1, 1962-June 8, 1963, \$1,425 (9-25-62).
- RHODES, MITCHELL, Part-Time Medical Student Research Fellow in Physiology, nine months from September 16, 1962, \$600 (9-27-62).
- ROSE, ROGER A., Part-Time Medical Student Research Fellow in Pathology, nine months from September 16, 1962, \$600 (9-26-62).
- ROSENE, GORDON, United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-June 30, 1963, without salary (9-26-62).
- SAMUELS, ARNOLD, Part-Time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1962, \$600 (9-27-62).
- SCHOLAR, ERIC M., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, \$2,400 (8-10-62).
- SILVERGLADE, LEE B., United States Public Health Service Fellow (Trainee) in Oral Pathology, ten months from September 1, 1962, \$5,416.67 (9-19-62).
- SLOAN, ERNEST D., Part-Time Medical Student Research Fellow in Physiology, nine months from September 16, 1962, \$600 (9-26-62).
- SMOLER, JOSE, United States Public Health Service Fellow (Trainee) in Otolaryngology, one year from July 1, 1962, \$5,000 (7-30-62).
- SNYDER, ROBERT, United States Public Health Service Fellow (Trainee) in Pharmacology, one year from November 1, 1962, \$6,000 (10-3-62).
- SWIATEK, KENNETH, United States Public Health Service Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, \$1,800, supersedes (9-26-62).
- TERRY, ROBERT, Part-Time Medical Student Research Fellow in Preventive Medicine, nine months from September 16, 1962, \$600 (9-27-62).
- THAYER, CHARLES C., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, \$2,200 (9-18-62).
- VERETTE, RALPH M., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375, supersedes (10-16-62).

- VICTOR, THOMAS, Part-Time Medical Student Research Fellow in Anatomy, nine months from September 16, 1962, \$600 (9-26-62).
- VIDETICH, DAVID A., United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-August 31, 1963, \$1,955 (9-19-62).
- WALSH, PATRICIA J., United States Public Health Service Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, \$1,800 (9-26-62).
- WEBER, DENNIS F., United States Public Health Service Postdoctoral Fellow (Trainee) in Dentistry, ten months from September 1, 1962, \$5,416.70 (9-12-62).
- WINIARSKI, GENEVIEVE, United States Public Health Service Fellow (Trainee) in Physiology, September 1, 1962-June 8, 1963, \$1,425 (9-25-62).
- ZARYCKY, OKSANA M., United States Public Health Service Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, \$1,800 (9-26-62).
- ZIELINSKI, MIECZYSLAW, Postdoctoral Fellow in Chemistry, one year from October 16, 1962, \$4,500 (10-12-62).

#### RESIGNATIONS

- BISWAS, CHITRA S., United States Public Health Service Fellow (Trainee) in Animal Science—resignation effective October 1, 1962.
- BLUMENTHAL, JEROME S., Assistant in English (Chicago Undergraduate Division)—resignation effective September 16, 1962.
- CROW, SAMUEL E., Extension Specialist in Firemanship Training (Division of University Extension)—resignation effective October 6, 1962.
- FALEK, BARBARA M., Research Assistant in Preventive Medicine (Medicine)—resignation effective September 21, 1962.
- FITCH, BRIAN T., Instructor in French—resignation effective September 1, 1962.
- GERBER, QUENTIN N., Instructor in Accountancy—resignation effective September 1, 1962.
- HAYASHI, MARIE N., Research Assistant in Microbiology—resignation effective July 1, 1962.
- HAYDAY, ALEXANDER A., Assistant Professor of Mechanical Engineering—resignation effective September 1, 1962.
- MCCARTY, CHARLES G., Fellow in Chemistry—resignation effective October 12, 1962.
- McMULLEN, CARL, Research Assistant in Biological Chemistry (Medicine)—resignation effective August 15, 1962.
- MIZUKAMI, HIROSHI, United States Public Health Service Fellow (Trainee) in Biophysics—resignation effective October 16, 1962.
- PARSONS, MELVIN O., JR., Assistant Professor of Business Management—resignation effective September 1, 1962.
- RAO, PILLARISETTY J., Instructor in the Natural History Survey—resignation effective October 1, 1962.
- RODGERS, ROY A., Fellow in Finance—resignation effective October 27, 1962.
- SPILLMAN, CHARLES K., Assistant in Agricultural Engineering—resignation effective January 1, 1963.
- TSUCHIYA, GORO, Assistant in Neurology and Neurological Surgery (Medicine)—resignation effective July 1, 1962.
- VLES, EVERT J., Research Assistant in Chemistry—resignation effective September 1, 1962.
- YARWOOD, DEAN L., Charles E. Merriam Fellow in Political Science—resignation effective October 1, 1962.

#### LEAVES OF ABSENCE

- DAUTEN, PAUL M., JR., Professor of Management—leave of absence, without pay, from March 1 through August 31, 1963, so that he may accept an appointment as Visiting Professor of Management at Arizona State University.
- FALEK, ALFRED B., Clinical Associate Professor of Dermatology (Medicine)—leave of absence for eleven months from October 1, 1962.
- McALLISTER, WALTER G., Associate Professor of Psychology—leave of absence, with pay, for the first semester of the academic year 1962-63, on account of disability.

OTIS, JACK, Psychiatric Social Work Supervisor and Associate Professor of Hygiene—leave of absence, without pay, for one year from September 1, 1962, so that he may accept a position at the University of California.

ROBERTSON, JAMES E., Research Professor of Electrical Engineering (College of Engineering) and in the Digital Computer Laboratory—leave of absence, without pay, from July 1, 1963, through December 31, 1963.

SINHA, RAMESH C., Research Associate in Botany—leave of absence, without pay, for one month from January 1, 1963.

#### MEMORIAL TO RALPH F. LESEMANN

Mr. Dilliard offered the following resolution:

The Board of Trustees of the University of Illinois records with deep sorrow the death on October 19 of Ralph F. Lesemann, former Legal Counsel and Professor of Law.

Mr. Lesemann was born in Nashville, Illinois, on December 9, 1899. He graduated from the University of Illinois with the degrees of Bachelor of Arts in 1922 and of Doctor of Jurisprudence in 1924. He was a teacher from 1920-21 and principal from 1922-23 in the Nashville High School. In 1924 he began practicing law and was with the firm of Kramer, Kramer, and Campbell, East St. Louis, from 1924-26. He subsequently served as First Assistant United States Attorney from 1926-31, and then returned to the private practice of law as a member of the firm of Baker, Lesemann, Kagy, and Wagner, East St. Louis.

On July 1, 1951, he became Legal Counsel and Professor of Law at the University, serving in that capacity until 1961 when, because of health, he asked to be relieved of these duties and was appointed Special Counsel on part time. During these eleven years he served the University with distinction and untiring devotion to the work of his office. His constructive and insightful analyses of University problems which were brought to him contributed in many ways to strengthening the University's procedures and position in matters of legal controversy, and he won numerous favorable court decisions in University litigation.

His death is indeed a great loss to the legal profession, to the University, and to his community as well as to his family.

The Board directs that this resolution be incorporated in the minutes of today's meeting as a memorial to Mr. Lesemann and as a public tribute to his services; and that a suitable copy be sent to the members of his family as an expression of the Board's sympathy with them in their loss.

This resolution was unanimously adopted.

#### EXECUTIVE SESSION

On motion of Mrs. Watkins, an executive session was ordered for consideration of the following items of business:

#### RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(1) The University Patent Committee submits, with the concurrence of the University Research Board, the following reports and recommendations relating to patentable inventions by members of the staff. The Committee at a meeting held on September 14, 1962, agreed to recommend that the rights of the University in these inventions be released to the inventors if they indicated an interest within thirty days of notice or to the sponsoring agency if the inventors indicate no personal interest.

1. Plasma field displacement isolator and circulator—Joseph T. Verdeyen, Instructor in Electrical Engineering, inventor. It has been shown that the propagation of electromagnetic waves in a parallel-plane wave guide, which is filled with a magnetized plasma, exhibits a nonreciprocal behavior. The effect is similar to that found in a ferrite field displacement isolator.

The Patent Committee has heard nothing from the inventor after advising him of the action of September 14 and, therefore, recommends release of the rights of the University to the sponsoring agency, the United States Air Force.

2. Bent logarithmically-periodic zig-zag antenna—John William Greiser, Research Assistant in Electrical Engineering, inventor. These antennas are continuous structures of a single conductor formed in the shape of a planar logarithmically-periodic zig-zag which has been bent along its longitudinal axis.

The radiation pattern is unidirectional, coming off the small end of the antenna (backfire) and is essentially independent of frequency in the design bandwidth. An important feature is the ability of the horizontal elements to alter the active, radiating portion of the antenna.

The inventor has indicated that he will not file for a patent; and accordingly, the Patent Committee recommends release of the rights of the University to the sponsoring agency, the United States Navy.

3. Dipole propulsion and accelerator system — Shao Lee Soo, Professor of Mechanical Engineering, inventor. Systems utilizing force on a dielectric or ferroelectric particle or body, or dipole molecule or atom when such a material is placed in a non-uniform electric field.

The Patent Committee has heard nothing from the inventor after advising him of the action of September 14 and, therefore, recommends release of the rights of the University to the sponsoring agency, Project SQUID of the United States Government.

The Committee further recommends that the University's rights in an invention, photo current suppression ionization gauge, by Wilfred C. Schuemann, Electronics Technician II in the Coordinated Science Laboratory, be released to the University of Illinois Foundation for further study and possible patent application. This invention is an ionization gauge, which has been designed to remove the low pressure limitation, due to x-rays, which is found in conventional ionization gauges.

I concur.

On motion of Mr. Swain, these recommendations were approved.

#### RECESS

On motion of Mr. Williamson, the Board recessed.

#### DEDICATION OF THE UNIVERSITY OF ILLINOIS RADIO TELESCOPE

At this point, the members of the Board of Trustees, officers of the Board, and other officials of the University joined officials and members of the Danville Chamber of Commerce at a luncheon honoring the Trustees and representatives of the Department of the Navy at a ceremony in dedication of the University of Illinois Radio Telescope constructed southeast of Danville.

Following the luncheon and formal dedication program, Trustees and other guests made an inspection of the Radio Telescope.

The Board remained in recess.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*



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**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**December 19, 1962**



The December meeting of the Board of Trustees of the University of Illinois was held in the Morrison Hotel, Chicago, Illinois, on Wednesday, December 19, 1962, beginning at 10:00 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. George T. Wilkins, Mr. Kenney E. Williamson. Mr. Earl M. Hughes and Governor Otto Kerner were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Mr. C. C. Caveny, Assistant to the President, Chicago Office, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary.

**ADJOURNMENT OF NOVEMBER MEETING**

The Board of Trustees at its meeting on November 9, 1962, recessed for luncheon and the program in dedication of the Radio Telescope in Danville, but did not reconvene.

On motion of Mr. Johnston, the November meeting adjourned.

**INTRODUCTION OF MR. RAY PAGE**

President Clement announced that Mr. Ray Page, Superintendent of Public Instruction-Elect, was present, having been invited to attend today's meeting as a guest of the Board of Trustees. Mr. Page was introduced by Mr. Wilkins.

**MINUTES APPROVED**

The Secretary presented the minutes of the meeting of the Board of Trustees on June 20, 1962, press proof copies of which had previously been sent to the Board.

On motion of Mr. Swain, the minutes were approved as printed on pages 1499 to 1973, inclusive.

**REPORT OF THE EXECUTIVE COMMITTEE**

The Secretary presented the following report:

**Contracts for Equipment for Heating Plant at Congress Circle**

The Board of Trustees at its meetings on May 24 and June 20, 1962, awarded contracts for equipment for the heating plant to be constructed on the Congress Circle campus, but reserved the right of the University in each case to terminate the contract prior to September 15, 1962, and without cost to the University, by giving the contractor written notice of such termination. The Executive Committee was authorized to act for the Board on negotiations with contractors in exercising the University's right to terminate contracts or to extend the period during which they may be executed or terminated. The Executive Committee on August 16, 1962, extended the period in which the contracts may be executed or terminated to December 15, 1962.

Taking of bids for other construction on the Congress Circle Campus has now been postponed, so that it would be to the University's advantage to extend further the dates within which the University may execute or terminate the contracts for the heating plant. The Executive Committee reports that, on recommendation of the Director of the Physical Plant, the Vice-President and Comptroller, and the President of the University, it has authorized the extension of the period within which the following contracts may be executed, or terminated, to and including March 15, 1963. The contractors concerned have agreed to this extension.

High temperature water boilers, hot water pumps, and erection—International Boiler Works Company, East Stroudsburg, Pennsylvania.....	\$235 597
Refrigeration equipment—T. F. Hanley Corporation, Chicago.....	185 859
Condenser water and chilled water circulating pumps—Allis-Chalmers Manufacturing Company, Chicago.....	20 493
Cooling tower—Floor Products Company, Oak Park.....	39 230
Switchgear and electrical equipment	
15 KV switchgear—Allis-Chalmers Manufacturing Company.....	38 200
5 KV switchgear—Allis-Chalmers Manufacturing Company.....	44 800
480 V substation—Allis-Chalmers Manufacturing Company.....	29 650
125-volt battery—Allis-Chalmers Manufacturing Company.....	5 794
Inverter-diverter and control panel—Allis-Chalmers Manufacturing Company .....	8 851

The Committee has also authorized termination of the following contracts with General Electric Company in view of the Company's policy that price escalation clauses would be applicable to these contracts if extended beyond December 15, 1963.

## Switchgear and electrical equipment:

Motor control centers.....	\$ 7 025
D-C distribution cubicles.....	2 531

Termination of these contracts will not seriously affect progress of the work, assuming that the University may proceed with the construction program prior to March 15, 1963, since the equipment can be obtained under other contracts.

The Executive Committee action was taken on December 11 and official notices have been sent to the contractors.

## EXECUTIVE COMMITTEE

WAYNE A. JOHNSTON

FRANCES B. WATKINS

HOWARD W. CLEMENT

*Chairman*

C. S. HAVENS

*Clerk*

This report was received for record.

## BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

## PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

## AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>CPA From</i>
EUGENE HOWARD DEUTSCH	Gary, Indiana	Indiana
KENNETH THOMAS DUFON	Hammond, Indiana	Indiana
JAMES LYLE JOHNSON	Macomb, Illinois	Minnesota
CHARLES HERBERT LIBBY	Oak Park, Illinois	New York
CLINTON ARTHUR PRUST	La Grange, Illinois	Wisconsin
HAROLD HARUNORU TSUKUNO	Elmhurst, Illinois	District of Columbia

1 concur.

On motion of Mr. Johnston, these certificates were awarded.

## APPOINTMENTS TO THE FACULTY

(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. CHARLOTTE H. ALTMAN, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
2. JOSEPH H. DERIVERA, Research Associate Professor in the Institute of Communications Research, for the academic year 1962-63, on one-half time, at a salary of \$4,350 (E50).
3. PAUL DOLINKO, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
4. ROLLIN O. DUNSDON, Assistant Professor in the Bureau of Business Management, beginning October 15, 1962, at an annual salary of \$10,500 (BY).
5. FRIEDA H. ENGEL, Assistant Professor in the Jane Addams Graduate School of Social Work, beginning September 1, 1962, on one-fourth time, at an annual salary of \$2,025 (D25).

6. DUANE E. ERICKSON, Assistant Professor of Farm Management, Department of Agricultural Economics, beginning November 1, 1962, at an annual salary of \$9,000 (DY).
7. DAVID R. EVANS, Associate Professor of Entomology, Physiology, and Biophysics, for one month from August 1, 1963, at a salary of \$1,335 (G), and from September 1, 1963, at an annual salary of \$12,000 (A).
8. LYLE P. FETTING, Assistant Professor of Agricultural Economics, beginning October 1, 1962, at an annual salary of \$8,500 (DY).
9. MORTIMER D. GROSS, Clinical Assistant Professor of Psychiatry, beginning October 1, 1962, without salary (DY).
10. HAROLD M. HYMAN, Professor of History, beginning September 1, 1963, at an annual salary of \$15,000 (A).
11. GUST A. LEDAKIS, Visiting Associate Professor of Law, for the second semester, 1962-63, at a salary of \$7,200.
12. ELISE E. LESSING, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
13. JOHN P. O'NEILL, Assistant Professor of Child Development, Department of Home Economics, beginning February 1, 1963, at an annual salary rate of \$7,000 (D).
14. THEODORE R. PECK, Assistant Professor of Soils Extension, Department of Agronomy, beginning December 1, 1962, at an annual salary of \$8,000 (DY).
15. ROBERT H. POLLACK, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
16. STEVEN P. QUIGLEY, Associate Professor in the Institute for Research on Exceptional Children, beginning December 1, 1962, at an annual salary of \$10,000 (D).
17. PAUL J. SANAZARO, Clinical Associate Professor of Medicine, beginning September 25, 1962, without salary (DY).
18. LESTER D. SAVAGE, JR., Assistant Professor of Mechanical and Industrial Engineering, beginning November 1, 1962, at an annual salary of \$9,000 (B).
19. MORRIS SCHEINMAN, Assistant Professor of General Engineering, beginning December 1, 1962, at an annual salary of \$8,400 (B).
20. PAUL W. SCHROEDER, Associate Professor of History, beginning September 1, 1963, at an annual salary of \$10,000 (A).
21. THOMAS G. SCOTT, Professor of Zoology, beginning September 1, 1962, without salary (DY).
22. PAUL H. SILVERMAN, Visiting Professor of Zoology, for five and one-half months from January 1, 1963, at a salary of \$7,639 (E).
23. ERIC W. SIMON, Visiting Associate Professor of Agronomy, for six months from April 1, 1963, at a salary of \$5,500 (G).
24. MARILYN VAN GOETHEM, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
25. JOHN S. WILLIS, Assistant Professor of Physiology and Biophysics, for nine months from December 1, 1962, at a salary of \$5,635 (B).

On motion of Mr. Dilliard, these appointments were confirmed.

#### SABBATICAL LEAVE OF ABSENCE

(3) I recommend that Dr. Norman A. Graebner, Professor and Chairman of the Department of History, be given a sabbatical leave of absence on one-half pay for one year beginning with the second semester, 1962-63, and continuing through the first semester, 1963-64, in accordance with the provisions of the University of Illinois Statutes. Professor Graebner has been offered a Fulbright award for a lectureship in American diplomatic history at the University of Queensland, Brisbane, Australia, and will also continue his research on American policies in the Far East.

On motion of Mr. Swain, this leave was granted.

#### CHAIRMANSHIP OF THE DEPARTMENT OF HISTORY

(4) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor Robert W. Johannsen as Acting Chairman of the Department of History for the second semester of the current academic year 1962-63, to succeed Professor Norman Graebner who will be on sabbatical leave

of absence for one year from the beginning of the second semester of this year, at an annual salary rate of \$11,800.

The Dean also recommends the appointment of Professor Johannsen as Chairman of the Department of History for two years from September 1, 1963, Professor Graebner having requested that he not be considered for reappointment as Chairman of the Department.

This recommendation is submitted after consultation with the Executive Committee of the Department and is concurred in by the Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Johnston, this appointment was approved.

#### **HEADSHIP OF THE DEPARTMENT OF CERAMIC ENGINEERING**

(5) The Dean of the College of Engineering recommends the appointment of Professor Arthur L. Friedberg as Professor of Ceramic Engineering on indefinite tenure and Head of the Department of Ceramic Engineering beginning September 1, 1963, to fill the vacancy which will occur with the retirement of Professor A. I. Andrews at the end of the current academic year. The salary of the position will be determined when the budget for 1963-64 is submitted to the Board of Trustees for approval.

The recommendation for this appointment was initiated by a special search committee<sup>1</sup> appointed by the Dean which canvassed possible candidates both within and outside of the Department and of the University; and subsequently all members of the Department were consulted by the Dean. The Dean of the Graduate College and the Executive Vice-President and Provost have also been consulted and concur.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

#### **APPOINTMENT OF ASSOCIATE PROVOST FOR UNDERGRADUATE AFFAIRS**

(6) The Executive Vice-President and Provost recommends the appointment of Professor Paul R. Shaffer of the Department of Geology as Associate Provost, effective February 1, 1963. Initially, this would be a half-time position for the academic year, and Professor Shaffer would continue his work in the Department of Geology on a proportionately reduced schedule.

As Associate Provost, Professor Shaffer would be primarily concerned with undergraduate affairs on the Urbana-Champaign campus, and with relationships between the undergraduate colleges on that campus and those on the other two campuses. His responsibilities would include problems related to undergraduate instruction, student services, regulations, housing, and other extracurricular affairs.

I concur.

On motion of Mr. Swain, this appointment was approved.

#### **COLLEGE OF PHARMACY ADVISORY COMMITTEE**

(7) The Dean of the College of Pharmacy recommends the appointment of Michael J. Mankowski, 32 West Randolph Street, Chicago, as a member of the College of Pharmacy Advisory Committee for a term of five years from July 1, 1962, succeeding Mr. Reed G. Henninger, Riverside, whose term has expired.

I concur.

On motion of Mrs. Watkins, this appointment was approved.

#### **ADMISSION TO COLLEGE OF LIBERAL ARTS AND SCIENCES**

(8) The Board on June 20, 1962, approved a recommendation from the Urbana-Champaign and Chicago Undergraduate Division Senates for revision of the minimum requirements for admission to the College of Liberal Arts and Sciences to include certain subjects.

<sup>1</sup> J. W. Briscoe, Professor of Civil Engineering and Associate Head of the Department, Chairman; Alfred W. Allen, Professor of Ceramic Engineering; Ralph L. Cook, Professor of Ceramic Engineering; Harry G. Drickamer, Professor of Chemical Engineering and of Physical Chemistry; Robert J. Maurer, Professor of Physics; Victor J. Tennery, Research Assistant Professor of Ceramic Engineering.

The All-University Committee on Admissions and the two Senates concerned recommend, the Senate Coordinating Council concurring therein, addition of the following statement as a part of the minimum requirements for admission to the College of Liberal Arts and Sciences:

Students ranking in the upper 25 per cent of their high school graduating classes are eligible for admission with a deficiency in science, foreign language, or history. Such a deficiency must be compensated for by an equivalent amount of additional credit in the other subjects listed.

It is further recommended that these changes in requirements, including those approved June 20, 1962, become effective for students enrolling in June, 1965, and thereafter.

On motion of Mr. Wilkins, these recommendations were approved.

#### CHANGE IN GRADING SYSTEM

(9) On November 7, 1951, the Senate Committee on Student Discipline adopted a policy and procedures for dealing with student academic irregularities which directed that the grade of "DR" be recorded when a student is dropped from a course for dishonesty in an examination or other required work in the course. In the computation of scholastic averages, the grade of "DR" has been the equivalent of the grade of "E," indicating failure. This policy along with procedures for dealing with such cases was implemented by administrative action. Formal approval by the Board of Trustees was not deemed necessary under the 1936 University of Illinois Statutes then in effect.

The three Senates have now recommended, the Senate Coordinating Council concurring therein, that the grade of "DR" be discontinued, and that a grade of "E," indicating failure, be recorded when a student is dropped from a course for dishonesty. It is the opinion of the Senate Coordinating Council that this change in the grading system is a matter of educational policy which, under the present University Statutes, also requires approval by the Board of Trustees.

I recommend approval.

On motion of Mr. Johnston, this recommendation was approved.

Mr. Dilliard asked if the fact that a grade of "E" was being reported for academic irregularity would be entered in the student's record and expressed the opinion that such should be the practice. President Henry stated that a report in answer to the question would be made at a subsequent meeting.

#### UNDERGRADUATE REQUIREMENT IN GENERAL EDUCATION

(10) A special All-University Committee on General Education completed a comprehensive study of the requirements and programs of the undergraduate colleges in general education (courses in the humanities, the social sciences, and the natural sciences), during the second semester of 1961-62. Over a period of several years, the Committee had studied programs in other universities and had conducted extensive discussions of the means of improving the general education of undergraduates at the University of Illinois.

In addition to several proposals for improved administrative arrangements, the Committee submitted concurrently to the three Senates the following recommendation for a change in graduation requirements in general education:

"Effective for all undergraduate students entering the University on or after June 1, 1964, each Senate of the University of Illinois add to the present single all-University course requirement for graduation (English composition), a minimum of six hours each in the humanities, the social sciences, and the natural sciences, respectively. Approved sequences should be distributed over at least three years."

The three Senates and the Senate Coordinating Council have approved the Committee's recommendations. The deans of the colleges have also been consulted.

I concur.

On motion of Mrs. Watkins, these recommendations were approved.

The Committee has also recommended, the Senates and the Senate Coordinating Council concurring therein, that:

Faculties of the individual colleges take immediate action to establish sequences in each of the basic courses, subject to approval by the appropriate Senate Committee on Educational Policy.

After three years of experience with these requirements, consideration be given to increasing the minimum in each of the three basic areas to nine semester hours and to including a reading knowledge of one foreign language.

These two recommendations are to the colleges and are being reported for the information of the Board and for record.

#### CENTER FOR INTERNATIONAL EDUCATION AND RESEARCH IN ACCOUNTING

(11) The Dean of the College of Commerce and Business Administration recommends establishment within the Department of Accountancy of a "Center for International Education and Research in Accounting" for the extension and formalizing of the Department's work in accounting on an international scale.

A more complete statement of the proposal for such a Center is submitted herewith and a copy is being filed with the Secretary of the Board for record. As indicated in this statement, the Center will be a part of the Department of Accountancy, will be housed in the Department on a permanent basis, and the staff of the Department will serve the programs of the Center. No additional funds are being requested at this time and it is expected that publications and conferences will be underwritten by grants from outside sources. All recommending officers have been consulted and concur in the proposal.

I recommend approval.

On motion of Mr. Swain, this recommendation was approved.

#### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(12) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

##### *Urbana-Champaign*

1. College of Engineering, nuclear engineering equipment..... \$15 900

##### 2. Physical Plant

Statistical Service Unit, remodeling and expansion of Computer Room in Arcade Building to accommodate additional new 1401 computer system..... 5 800

Department of Speech and Theatre in Illini Hall, additional remodeling for installing a Hearing Testing Chamber..... 5 727

*Total, Urbana-Champaign* ..... \$27 427

##### *Chicago Undergraduate Division*

3. Physical Plant, College of Architecture and Art, remodeling of two rooms ..... 4 500

*Grand Total* ..... \$31 927

I concur in these recommendations.

On motion of Mr. Pogue, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

#### CONTRACTS FOR REMODELING IN THE FIRST UNIT OF THE DENTISTRY-MEDICINE-PHARMACY BUILDING

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling of space previously occupied by the Animal Hospital, before moving into its new quarters in the Medical Research Laboratory, converting an area formerly used for storage into research laboratories for the Departments of Pathology and Anatomy, the award in each case being to the lowest bidder.

General — Duggan-Karasik Construction Company, Skokie..... \$ 36 110 25

Base bid ..... \$32 578 00

Additive alternate for service charge for supervision  
of other contracts assigned to this contractor.... 3 532 25



Plumbing—Ashland Plumbing and Heating Company, Chicago.....	\$ 10 387 00
Heating and Process Piping—William Adams Engineers, Inc., Chicago.....	9 934 00
Ventilating—Corite-Reynolds Corporation, Des Plaines.....	13 710 00
Pipe Covering and Insulation—Chicago Pipe and Boiler Covering Company, Chicago.....	1 670 00
Electrical—Fries-Walters Company, Chicago.....	10 618 00
Laboratory Equipment—Browne-Morse Company, Chicago.....	24 326 00
<i>Total</i> .....	\$106 755 25

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$106,755.25; and that an agreement be entered into with Duggan-Karasik Construction Company for the assignment of these other contracts for \$3,532.25 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released and from a matching National Institutes of Health Grant (RC-1068).

Submitted herewith is a schedule of all bids received and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

#### CONTRACTS FOR REMODELING IN RESEARCH AND EDUCATIONAL HOSPITALS

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling an area of the basement of the Research and Educational Hospitals (General Hospital) for use as locker rooms and for storage of medical records, the award in each case being to the lowest responsible bidder.

General—B. R. Abbot Construction Company, Chicago.....	\$49 914
Base bid .....	\$46 789
Additive alternates	
Service charge for supervision of other contracts assigned to this contractor.....	1 800
Suspended ceiling, Medical Records area.....	1 260
Air conditioning, Medical Records area.....	65
Plumbing—Fettes, Love, and Sieben, Inc., Chicago.....	8 443
Heating—Phillips, Getschow Company, Chicago.....	5 215
Base bid .....	\$ 4 200
Additive alternate for air conditioning, Medical Records area.....	1 015
Ventilating—Narowetz Heating and Ventilating Company, Chicago....	20 946
Base bid .....	\$17 573
Additive alternate for air conditioning, Medical Records area.....	3 373
Electrical—Local Electric Company, Inc., Chicago.....	15 065
Base bid .....	\$15 000
Additive alternate for air conditioning, Medical Records area.....	65
<i>Total</i> .....	\$99 583

A low bid submitted by the Thunderbird Electric Company, Chicago, would have to be rejected because of the Company's admitted failure to meet the standard conditions in the Board of Trustees "Regulations Governing Procurement and Bidding at the University of Illinois." The Company has therefore been permitted to withdraw its bid, and the electrical contract is being awarded to the Local Electric Company, Inc., Chicago, as the lowest responsible bidder.

The remodeling will provide locker rooms and lounge facilities for nurses and other women employees and will up-grade an area being used for filing records.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$99,583; and that an agreement be entered into with B. R. Abbot Construction Company for the assignment of these other contracts for \$1,800 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a schedule of all bids received and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, these contracts were awarded, as recommended by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

#### CONTRACTS FOR REMODELING RESEARCH AND EDUCATIONAL HOSPITALS ADDITION

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of an x-ray view room on a second floor setback of the addition to the Research and Educational Hospitals and for remodeling and extension of a special diet kitchen in the Hospitals, the award in each case being to the lowest bidder.

General — B. R. Abbot Construction Company, Chicago.....	\$ 62 390
Base bid .....	\$59 790
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	2 600
Plumbing — Ashland Plumbing and Heating Company, Chicago.....	4 640
Heating — Louis Cutler Plumbing and Heating Company, Chicago.....	16 675
Ventilating — H. S. Kaiser Company, Elk Grove.....	32 400
Electrical — Wadeford Electric Company, Chicago.....	12 568
Kitchen Equipment — Century Equipment Company, Chicago.....	15 587
<b>Total .....</b>	<b>\$144 260</b>

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$144,260; and that an agreement be entered into with B. R. Abbot Construction Company for the assignment of these other contracts for \$2,600 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of bids received is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

#### CONTRACTS FOR ELEVATOR REHABILITATION IN RESEARCH AND EDUCATIONAL HOSPITALS

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for the rehabilitation of two elevators in the Research and Educational Hospitals (General Hospital), the award in each case being to the lowest bidder.

General — Heller Construction Company, Inc., Chicago.....	\$ 34 203
Base bid .....	\$30 998
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	3 205
Elevator Equipment — Trimon Elevator Company, Inc., Chicago.....	\$ 59 996
Electrical — Divane Bros. Electric Company, Chicago.....	6 590
<i>Total</i> .....	<u>\$100 789</u>

The work will include removal of present obsolete equipment, revision of roof housing and shaftways and furnishing and installing two new passenger elevators, generator field control, two-way automatic leveling, duplex collective with and without attendant.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$100,789; and that an agreement be entered into with Heller Construction Company, Inc. for the assignment of these other contracts for \$3,205 which amount is included in the contract price, being the amount bid by that Company as a service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of the bids received is submitted herewith and a copy is filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

#### CONTRACT FOR CONDUCTIVE FLOOR TILE IN THE RESEARCH AND EDUCATIONAL HOSPITALS

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$6,320 to the C. E. Korsgard Company, Chicago, the lowest bidder, for installation of conductive floor tile in the surgical suites and auxiliary areas of the Research and Educational Hospitals to reduce explosion hazards and to comply with the National Fire Protection Association's "Safe Practices for Hospital Operating Rooms."

Funds are available from the Physical Plant maintenance budget.

The project was advertised in the "Illinois State Register."

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

#### CONTRACT FOR DESIGN SERVICES FOR MOVABLE EQUIPMENT FOR BUILDINGS AT CONGRESS CIRCLE

(18) The Director of the Physical Plant, the Vice-President for the Chicago Undergraduate Division, and the Vice-President and Comptroller recommend award of a contract to Skidmore, Owings, and Merrill for design services, including layout, selection of materials, and fabrications for the movable equipment for the following buildings at Congress Circle: staff administration, classroom buildings, library, lecture center, and engineering and sciences laboratories. Fees for this service will be based on time-card charges for services of professional personnel at the firm's usual and customary hourly rates, plus 150 per cent for overhead and commission. The estimated total cost of such services is \$88,000.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, subject to release by the Governor.

I recommend approval.

On motion of Mr. Johnston, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr.

Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

#### CONTRACT FOR FARM BUILDINGS

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$39,450 to Casserly Construction Company, Champaign, the lowest bidder, for erection of three minor agricultural buildings to be located on the University's farms south of the main campus at Urbana-Champaign.

It is also recommended that assignments of funds for construction of these buildings be made from:

Dairy Science Income — for the Free Stall Dairy Barn on Lincoln Avenue  
Universities Building Fund — for the Machinery Storage and Service Building on the Pell Farm

Federal Hatch Funds — for Machinery Storage Building on the Grein Farm  
General Reserve, \$3,800 — to complete financing of the Grein Farm building

I concur.

On motion of Mr. Dilliard, this contract was awarded, and the recommended assignments of funds were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

#### REMODELING OF QUARTERS AT 807 SOUTH LINCOLN AVENUE, URBANA, FOR UNIVERSITY RETIREMENT SYSTEM

(20) The University has been providing office quarters for the University Retirement System of Illinois since it was established in 1941. Presently the System offices are in a remodeled frame house owned by the University at 1210 West Oregon Street, Urbana.

With the normal growth of the operations of the System, the quarters now occupied are no longer adequate. Moreover, the land area at 1210 West Oregon Street will be needed as part of the site for an addition to the East Chemistry Building, scheduled for construction during the 1963-65 biennium.

Space leased by the University of Illinois Foundation in a brick, commercial, building at 807 South Lincoln Avenue, Urbana, formerly used by the Department of Art, is now vacant and, with remodeling, will provide adequate quarters for the University Retirement System. The University subleases the property at a rental of \$550 per month by authorization of the Board of Trustees on July 21, 1959.

The Foundation's lease of the property will expire in November, 1964. The owner has agreed to a five-year extension on the same terms and conditions. The Director of the Physical Plant and the Vice-President and Comptroller recommend that:

The Board of Trustees request the Board of Directors of the University of Illinois Foundation to extend the lease for an additional five-year period with the understanding that subleasing to the University will be continued; An assignment of \$19,000 be made from the General Reserve Fund for remodeling the property; and that

The remodeled facilities be assigned to the University Retirement System of Illinois.

I concur.

On motion of Mr. Swain, these recommendations were approved, and the requested assignment of funds was authorized, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

#### ADDITION TO CONTRACT FOR PLANT SCIENCES BUILDING

(21) The Director of the Physical Plant and the Vice-President and Comptroller

recommend an increase of \$2,999.70 in the contract with the W. E. O'Neil Construction Company, Chicago, for construction of the Plant Sciences Building (Jonathan Baldwin Turner Hall) to include installation of temperature controls for unit ventilators in the greenhouses.

Funds are available in the construction budget for this project.

I concur.

On motion of Mr. Dilliard, this change in contract was authorized.

#### **ADDITION TO CONTRACT FOR ALTERATIONS IN THE RESEARCH AND EDUCATIONAL HOSPITALS ADDITION**

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$3,618.85 in a contract with Consumers Construction Company, 3748 West Montrose Avenue, Chicago, for alterations on the eighth floor of the Research and Educational Hospitals Addition.

The Department of Medicine has requested a change in the autoclave which is part of the contracts for these alterations. In the original planning, it was believed that a standard type of autoclave would be suitable; however, upon further study, it was concluded that an autoclave with a high vacuum system is needed. The new autoclave proposed increases materially the sterilization process as to the temperature at which sterilization takes place and thereby kills the bacteria faster and more completely than can be done in the standard autoclave. This is very important to the germ-free research work to be done in the area being remodeled.

Funds are available in a United States Public Health Service Grant (OG-21).

I recommend that the Comptroller be authorized to execute this change in the contract.

On motion of Mrs. Watkins, this change in contract was authorized.

#### **BICYCLE LANE ON EAST SIDE OF URBANA CAMPUS**

(23) The number of bicycles now on the campus, the heavy concentration of bicycles at the Natural History Building and the East Chemistry Building, and occupancy of the Pennsylvania Avenue Residence Halls have created a traffic hazard on the east side of the campus, particularly in Mathews Avenue, Urbana, parts of which are presently restricted to one-way traffic. Representative officials of the city of Urbana and of the University agree that a bicycle lane extending along the east side of the campus would be a greatly needed safety factor. Studies indicate that such lane should provide for two-way bicycle traffic, and that a portion of the lane should be located in Mathews Avenue.

Officials of the city of Urbana regard such lane as a needed public improvement and have approved, in principle, entering into negotiations with the University for construction and maintenance of the portion of the bicycle lane that would lie within the present right-of-way of Mathews Avenue.

The proposed construction would reduce the width of the street available to motor driven vehicular traffic by approximately two feet six inches, but would not reduce the number of parking meters between Springfield Avenue and Nevada Street. Construction of such a lane would include connections with existing bicycle lane systems. The total estimated cost is \$35,000.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize:

Negotiations with the city of Urbana for the construction and maintenance, at University expense, of a bicycle lane approximately six feet wide on the right-of-way of Mathews Avenue from the south side of Nevada Street to Springfield Avenue, in return for which the City will adopt and enforce an ordinance permitting two-way bicycle traffic within the lane and prohibiting the use of the lane by any vehicle other than bicycles which are not motor driven.

The execution by the officers of the Board of an agreement or agreements with the City and such other documents as may be necessary, subject to approval of the University's Legal Counsel.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Swain, these recommendations were approved,

and authority was given as requested, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

**AGREEMENT WITH DEPARTMENT OF MENTAL HEALTH  
FOR OPERATION OF ILLINOIS EYE AND EAR INFIRMARY**

(24) The Medical Director of the Research and Educational Hospitals, the Vice-President for the Medical Center, and the Vice-President and Comptroller recommend authorization of an agreement with the Department of Mental Health providing for the operation of the Illinois Eye and Ear Infirmary jointly by the University and the State Department of Mental Health to replace an existing agreement entered into by the University with the former Department of Public Welfare (now the Department of Mental Health).

Relocation of the Illinois Eye and Ear Infirmary in a new building which the Department is constructing on a site adjacent to the Research and Educational Hospitals and which will be completed in 1964 makes it desirable to amend the existing agreement in certain respects.

The principal changes in the new agreement are: reference to the Infirmary being a "constituent unit" of the "Illinois Medical Center" is deleted; administrative and financial relationships between the two parties are clarified; and the joint management group is named the "Joint Executive Committee" with its composition reconstituted and its functions redefined.

I concur.

On motion of Mrs. Watkins, authority was given as requested.

**AUTHORIZATION OF FALLOUT SHELTER LICENSES  
TO FEDERAL GOVERNMENT**

(25) The federal government has under way an accelerated program of civil defense, which includes plans for fallout shelters. The government has proposed that certain facilities throughout the country be designated and equipped, at no expense to their owners, as fallout shelters. A license must be issued to the federal government by the owner for use of any facility. State and local Civil Defense officials have requested the University to grant to the federal government such licenses for various buildings at Urbana-Champaign and at the Medical Center in Chicago.

The firm of Brown, Manthei, Davis, and Mullins, Consulting Engineers, Champaign, has been employed by the federal government to conduct a fallout shelter survey and determine which buildings can be used for fallout shelters and subsequently licensed at the Urbana campus.

The firms of Consoer Townsend and Associates, A. Epstein and Sons, Inc., and De Leuw, Cather, and Co., Chicago, have completed studies at the Medical Center campus.

Such licenses may be revoked by the University on giving ninety days' written notice, sent by registered mail, to the political subdivision and the federal government.

University officials will review the proposals for designations of shelters in order to minimize interference with educational programs.

To comply with the request of the federal government, it is recommended that the Comptroller and the Secretary of the Board be authorized to execute a license or licenses with the United States government for fallout shelters.

I concur.

On motion of Mr. Johnston, this recommendation was approved.

**LICENSING OF RECORDED PROGRAM OF INSTRUCTION  
IN THEORETICAL AND APPLIED MECHANICS**

(26) The University has been requested by the United States Military Academy, West Point, to license the use of five two-hour lessons recorded on videotape from the course Theoretical and Applied Mechanics 223, Mechanical Behavior of Solids. It is proposed that a license be granted only for their use over closed-circuit television for the instruction of students at the Academy. A fee of \$600 will be charged for the license, in addition to the actual cost of the re-recording to duplicate tapes. This fee is a nominal one based largely on information

received from the National Educational Television and Radio Center which indicates that it approximates the typical rate charged for similar materials.

Releases will be obtained from Professor T. J. Dolan, Head of the Department of Theoretical and Applied Mechanics, and from Professors H. R. Wetenkamp and T. M. Elsesser who recorded the course.

The Executive Vice-President and Provost recommends granting of the license to the United States Military Academy on the basis of the above.

I concur.

On motion of Mr. Swain, this recommendation was approved.

#### COMPLIANCE REPORT REQUIRED UNDER NONDISCRIMINATION PROVISIONS OF U. S. GOVERNMENT CONTRACTS

(27) On March 6, 1961, President John F. Kennedy issued Executive Order No. 10925 requiring that a provision be inserted in all United States government contracts that the "Contractor will not discriminate between any employee or applicant for employment because of race, creed, color or national origin." The Order also requires that the Contractor submit information and reports as may be required by the President's Committee on Equal Employment Opportunity.

Shortly thereafter, the Department of Defense, the Atomic Energy Commission, the Public Health Service, and other government agencies with which the University has many contracts all requested a Compliance Report from the University for the use of the Committee. Parts I and II of the report requested information concerning the policies and practices of the University in connection with employment. This information was submitted to the Committee on June 30, 1962. Part III of the Compliance Report requested certain personnel statistics which were not available because of the University's policy of not requiring information as to race, creed, or national origin in the application form and other personnel records of employees. Accordingly, the information was not furnished.

The Committee has again requested this information and since compliance with a Federal Order is indicated, notwithstanding a University policy which precludes carrying such information in its official records, it is necessary to direct the University officers involved to obtain this information from department heads who will make a head count to determine the number of Negroes and other members of minority groups in their departments. This information will be submitted and included in the report without personal identification and no specific information will be transferred from the survey to the records of the individuals. The report containing information gathered under these conditions will then be submitted to the President's Committee.

This report was received for record.

#### PURCHASES

(28) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used in these recommendations to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors.

##### *Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
6,000 (maximum) college qualification tests, including tests, answer sheets, mark sensing pencils, and grading services	Admissions and Records	The Psychological Corp., New York, N.Y.	\$ 5 100 00 f.o.b. New York, N.Y.
One complete glass distillation apparatus including twenty-foot distillation column with eight bubble cap plates, pressure gauges, manometers and glass boiler for graphic demonstrations of distilling processes in chemical engineering classes	Chemistry and Chemical Engineering	Corning Glass Works, Corning, N.Y.	4 589 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One counter, electronic, transistor circuit, 0-20mc, eight-digit	Electrical Engineering	Hewlett-Packard Company, c/o Crossley Associates, Inc., Chicago	\$ 3 463 21 f.o.b. delivered
One converter, frequency, 100 cps to 500 mc, plug-in unit for above counter			
One oscillator, backward wave sweeping, 8.2 to 12.4 kmc, power output 10 mw, two frequency markers adjustable over entire range, accuracy plus or minus 1 per cent	Electrical Engineering	Alfred Electronics, c/o Kenneth W. Meyers Co., Chicago	2 890 00 f.o.b. Palo Alto, Calif.
Four grand pianos, 5 ft., 2 in., ebony finish, less trade-in of three grand pianos (A)	Music	Emerson Piano House, Inc., Decatur (Group A)	8 895 00
Four grand pianos, 5 ft., 7 in., ebony finish, less trade-in of four grand pianos (B)		Riley Music, Champaign (Group B)	8 240 00 f.o.b. delivered
Seven of which are to be installed in various rooms in Smith Music Hall and one to be installed in the Theory Annex			
Two pipe organs, two-manual, to be furnished and installed in Smith Music Hall, less credit for trade-in of two pipe organs	Music	Wicks Organ Co., Highland	12 990 00 delivered and installed
One ruby laser system including: power supply, 5,000V; two capacitor banks, 1,000 joules each; one laser mount, air blast cooled, helical tube type; two helical flash tubes; and one ruby rod $\frac{1}{4}$ in. by 2 in. polished $\frac{1}{16}$ wave or better with silver reflectors	Physics	Electro Powerpac, Inc., Cambridge, Mass.	2 929 00 f.o.b. Cambridge, Mass.
One recorder, X-Y, recording speed each axis 20 in./sec; DC voltage ranges 0.5 millivolts per inch to 50 volts per inch; AC voltage ranges 0.1 to 20 volts per inch each axis; time intervals on X-axis 0.5 to 50 sec/in; chart speeds 2, 4, 8, 16, 24, and 32 in. per minute	Theoretical and Applied Mechanics	F. L. Moseley Co., c/o Crossley Associates, Chicago	3 100 00 f.o.b. Pasadena, Calif.
Print and bind 10,000 copies <i>Undergraduate Study</i> , 1962-63, approximately 344 pages per copy, trim size 6 in. by 9 in.	University Press	Malloy Lithographing, Inc., Ann Arbor, Mich.	5 000 00 f.o.b. delivered
One inserting machine, six-station, to insert material to be mailed into envelopes ranging in size from 6 in. by $3\frac{1}{2}$ in. to $9\frac{1}{2}$ in. by $6\frac{1}{2}$ in., capable of inserting matter up to $\frac{1}{4}$ in. thick, equipped with a postage permit imprinter	University Press	Bell & Howell Co., Phillipsburg Division, Chicago	11 675 50 f.o.b. delivered
Approximately 280 cases disposable operating room packs 175 cases disposable obstetrical packs 35 cases disposable lithotomy sheets 70 cases disposable laparotomy sheets 91 cases disposable towels Estimated supply for seven months The prices are firm for renewal for a full year's supply at total cost of \$40,829.40	Medical Center Stores, Chicago	Convertors, Inc., Newark, N.J.	23 817 15
500,000 multiple vitamin capsules having the formula which meets the requirements of the Therapeutic Committee of the Research and Educational Hospitals; this represents a one-year supply of the capsules	Pharmacy Stores, Chicago	Security Medicine Co., Chicago	3 075 00 delivered
One scintillation photoscanner, to be used in the diagnosis of diseases of the brain and such organs as the liver and kidney	Radiology, Chicago	Picker X-Ray Corp., Chicago	9 250 00 delivered
149 hospital mattresses consisting of the following: 100 size 35 in. by 80 in. 31 size 35 in. by 75 in. 12 size 36 in. by 72 in. 3 size 36 in. by 60 in. 3 size 30 in. by 54 in.	Research and Educational Hospitals, Chicago	The Englander Co., Inc., Chicago	3 360 80 delivered



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One surgical operating table with anesthetic screen, sponge rubber pad and foot extension	Research and Educational Hospitals, Chicago	American Sterilizer Co., Chicago	\$ 2 731 00 delivered
One truck cab and chassis to carry load lugger and snow plow attachment	Physical Plant, Chicago	GMC Truck & Coach Division, Chicago	3 385 00 delivered
Ten general purpose oscilloscopes	Engineering, Chicago Undergraduate Division	Crossley Associates, Inc., Chicago	4 811 00 delivered

### *Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Print and bind 5,000 copies of <i>Diseases of Ornamental Plants</i> , by J. L. Forberg, a book of approximately 224 pages, trim size 6 $\frac{3}{4}$ in. by 10 in., describing approximately 700 diseases attacking ornamental plants and advising means of controlling them	Agricultural Administration	North Central Publishing Co., St. Paul, Minn.	\$ 4 459 98 f.o.b. delivered
One spectrophotometer with wave length marker, multispeed chart drive, four rectangular cells, two microcells and jackets, one slide wire, hydrogen lamp, phototube and accessory kit; the equipment will be used to measure concentrated purified virus preparations quantitatively and measure changes they undergo under various treatments	Botany	Applied Physics Corp., Chicago	17 392 00 f.o.b. delivered
One analytical ultracentrifuge with optical system, mask and timer, and twelve-cell assemblies	Botany	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	41 471 50 f.o.b. delivered
One preparative ultracentrifuge with eight rotors and hollow stem radiation handle to be used in the Botany Department to study large molecules governing the behavior of both normal and malignant cells	Botany	National Instrument Labs., Inc., Washington, D.C.	7 583 50 f.o.b. delivered and installed
One microdensitometer, double beam, automatic-recording, 4x and 10x objectives, with standard accessories, for research and routine analysis in X-ray diffraction in quantitative measurements of optical densities or spacings	Chemistry and Chemical Engineering	Chicago Apparatus Co., Chicago	2 520 00 f.o.b. delivered and installed
One refrigerator, walk-in, sectional type, 10 ft. by 12 ft. by 8 ft. size to be furnished and installed in East Chemistry Building, for use in Introductory Biochemistry Laboratory courses	Chemistry and Chemical Engineering	Industrial Cork Co., Inc., Melrose Park	2 982 00 f.o.b. delivered and installed
One gas chromatograph with separate heaters, sample size 0.1 to 2.0 milliliter, automatic sample collection and temperature programmer for use in metabolic studies in biochemistry	Chemistry and Chemical Engineering	Wilkins Instrument & Research, Inc., Walnut Creek, Calif.	2 919 25 f.o.b. delivered
One sublimator (freeze-dryer), refrigerated, with sterile operation and continuous indicators and controllers for both shelf and condenser for use in milk synthesis research	Dairy Science	RePP Industries, Inc., Gardiner, N.Y.	5 760 00 f.o.b. delivered
Seventy-five sets connector frames to be machined, drilled, and assembled as specified by Digital Computer Laboratory; this material will become part of a new high speed computer which the University of Illinois has contracted to build for the Atomic Energy Commission	Digital Computer Laboratory	Leichner Manufacturing Co., Champaign	3 375 00 f.o.b. delivered
Four power supplies, regulated, D.C., 0-12 volts output, 0-100 amps; 1 per cent regulation; 24 amps A.C. input, 115/208/230 volts, 50-60 cps	Digital Computer Laboratory	Keeco, Inc., Flushing, N.Y.	4 221 08 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
600 terminal boards, type 2076 (designed by U. of I. staff) 30 male and 30 female, 47 points 96 male and 96 female, 34 points 114 male and 114 female, 26 points 24 male and 24 female, 23 points 36 male and 36 female, 20 points	Digital Computer Laboratory	Mandex Manufacturing Co., Inc., Chicago	\$ 3 827 72 f.o.b. Chicago
One electron microscope, resolving power better than 20 angstroms, accelerating voltage 50 kv, with feature that two specimens can be inserted simultaneously and exchanged by a single operation outside the vacuum, plus one full year service agreement	Electrical Engineering	The Bendix Corp., Cincinnati, Ohio	15 500 00 delivered and installed
120 relays, coaxial, shorting termination, 75 ohm 12 vdc coil, bnc connectors, operation-switching rate of 2 cps, vswr less than 1.02 and insertion loss less than 0.1 db over the operating range, spdt	Electrical Engineering	FXR Products, Chicago	3 682 00 f.o.b. Danbury, Conn.
One chromatogram solid state scanning system, windowless 4 pi scanner for counting tritium ( $H^3$ ), carbon-14 and sulphur-35 with an anticoincidence circuit	Food Technology	Vanguard Instrument Co., La Grange	3 700 00 f.o.b. delivered and installed
One microdensitometer, complete with integrating recorder, for use in the investigations on the synergistic effect of heated fat on a carcinogen	Food Technology	Canal Industrial Corp., Bethesda, Md.	3 900 00 f.o.b. Bethesda, Md.
P. C. Liao Collection of Chinese Classics, 7,200 volumes	Library	Mrs. P. C. Liao, Hong Kong	7 000 00
Share of program for the cataloging and preparation of printed catalog cards for 1962 publications received from India and Pakistan under the Public Law 480 Program	Library	Library of Congress	7 750 00
Author and subject catalogs of the Library of the Peabody Museum of Archaeology and Ethnology, Harvard University, 53 volumes	Library	G. K. Hall & Co., Boston, Mass.	2 970 00
Two cameras, professional, 16 mm., plus following accessories: two variable speed motors, two synchronous motors, 11 lenses, two compartment cases, two sound blimps, two storage cases, two footage counters, six film magazines, two torque motors, one film magazine case, two batteries, and one shoulder pod	University of Illinois Committee on School Mathematics	The H. Lieber Co., Inc., Indianapolis, Ind.	11 041 50 f.o.b. delivered
One electromagnet, reconditioned, 12 in. low impedance, including one set pole pieces having a final diameter of 9 in. and a gap width of $3\frac{1}{4}$ in., cooling accomplished without necessity of heat exchanger; one power supply with continuously variable in a single range from 40 milliamperes to maximum current; one field sweep unit	Mining, Metallurgy, and Petroleum Engineering	Harvey-Wells Corp., Framingham, Mass.	14 805 00 f.o.b. delivered
One instrument for rapid and accurate measurements of the moduli of elasticity and the damping factors of solid materials such as aluminum, brass, copper, glass, ivory, etc.	Mining, Metallurgy, and Petroleum Engineering	Magnaflux Corp., Chicago	7 480 00 f.o.b. delivered
Five oscilloscopes; DC-15 MC; calibrated sweep range 0.2 usec/cm to 2 sec/cm; sensitivity 0.05 volts/cm to 20 volts/cm calibrated Five polarized viewers	Physics	Tektronix, Inc., Park Ridge	4 425 00 f.o.b. Beaverton, Ore.
One lathe, toolroom, precision, metal, 12 $\frac{1}{2}$ in. swing over bed, 20 in. nominal center distance, face plate 8 in. capacity variable speed drive, 5 hp motor	Physics	The E. L. Essley Machinery Co., Chicago	11 069 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Laboratory furniture for remodeling rooms in Horticulture Field Laboratory as follows: Two center laboratory benches, 8 ft. long One center laboratory bench, 17 ft. 9 in. long One instrument and analytical balance bench One sink assembly One cold room laboratory bench One glasswork table Two balance tables Five display cases	Plant Pathology	Kewaunee Technical Furniture Co., Evanston	\$ 9 595 40 f.o.b. delivered
16 mm. films: Four — The Novel Twelve — Great Dramatic Literature Fifty — Biology Programs (in color)	Audio-Visual Aids Service	Encyclopaedia Britannica Films, Inc., Wilmette	9 504 00 f.o.b. Wilmette
One ultramicrotome including table and chair, diamond knife and holder, specimen holders, saw, saw blades, grid boxes, and plate glass strips to be used in research on correlating molecular structure with physical structure in cancer cells and retinal cells	Zoology	LKB Instruments, Inc., Washington, D.C.	4 328 10 f.o.b. delivered
One vacuum evaporator, automatically controlled, with vacuum pumps, bell jar, carbon and tungsten evaporation kits for preparation of thin carbon grids and shadowing for electron microscope experiments	Zoology	Tech Sales and Marketing, Indianapolis, Ind.	2 587 48 f.o.b. delivered
Eight extractors, laundry, 15 pound dry capacity, 208 volts, 60 cycle	Housing Division	Laundry Dryer & Equipment Co., Inc., St. Louis, Mo.	2 848 00 f.o.b. delivered
One offset duplicator, to print on flat sheets ranging in size from 4 in. x 6 in. to 17½ in. x 14 in. and having printing area of 17 in. x 13 in., 5000-sheet capacity, receding stacker and two three-wheel dollies, less trade-in of one offset duplicator 1942 model	Print Shop	Midwest Equipment & Litho Supply Co., Peoria	6 438 55 f.o.b. delivered and installed
40,000 sheets verifax matrix Ninety-six cartons verifax activator	Office Supply Storeroom	Jefferson Stationers, Inc., Springfield	2 796 00 f.o.b. delivered
50,000 sets combination purchase order-delivery invoice voucher forms; eleven parts per set; approximately 8½ in. x 11 in. detached	Office Supply Storeroom	Uarco, Inc., Decatur	4 049 95 f.o.b. delivered
30,000 sets delivery invoice voucher forms; four parts per set; approximately 8½ in. x 11 in. detached			
5,000 sets purchase order forms for continuous purchase orders; six parts per set; approximately 8 in. x 5 in.			
This is approximately a one-year supply of these forms			
One grader, motor, gasoline-engine driven, complete with 10 ft. shiftable moldboard, and scarifier less credit for trade-in of one grader, motor, 1952 model; grader to be used at Robert Allerton Park for road maintenance, snow removal, and various other grading projects	Robert Allerton Park	McElroy-Roland Machinery Co., Springfield	4 390 00 f.o.b. delivered
Furnish and install underground electrical service to the Orchard Downs Housing Addition No. 1; this system will serve 160 housing units in this area	Physical Plant	Illinois Power Co., Champaign	13 124 00 f.o.b. delivered and installed
Seventy parking meters, sealed, single-cylinder type collection system to be furnished and installed in parking lot at 1109-1111 West Illinois Street, Urbana; with option to purchase up to 100 additional meters during the period ending June 30, 1963	Physical Plant	Duncan Parking Meter Division, Nautech Corp., Chicago	4 086 80 f.o.b. delivered and installed
Additional meters up to 100 will be furnished at the same unit prices of \$116.48 per double meters and \$60.74 for single meters, f.o.b. delivered and installed			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
180 mercury lamps, ASA code H36-15A, 1000 watts, color-corrected, mogul clamp base for installation in Assembly Hall	Physical Plant	Grand Stage Lighting Co., Chicago	\$ 5 454 00 f.o.b. delivered
Portable stage, steel scaffold-type, complete with side railings, access steps, and flame-proof closure skirt; it will be a three-level stage consisting of a main unit 88 ft. by 48 ft. by 42 in. high and two auxiliary sections both 8 ft. by 48 ft. long — one 28 in. high and one 14 in. high; this portable stage will be used in the new Assembly Hall	Assembly Hall	Waco-Porter Corp., Schiller Park	11 447 00 f.o.b. delivered
Thirteen turnstiles, portable type, hip operated control, register with locking cover, complete with matching ticket boxes including inspection window and ticket container	Assembly Hall	Perey Manufacturing Co., Inc., New York, N.Y.	7 410 00 f.o.b. delivered
1,700 fiberglass chairs, stacking and ganging, with steel frame for the arena area of the new Assembly Hall	Assembly Hall	The Howell Co., St. Charles	17 408 00 f.o.b. delivered
Electronic instruments consisting of three x-y oscilloscopes, two time base generator units, and three wide-band high gain pre-amplifiers, to be used for advanced laboratory work and research	Engineering, Chicago Undergraduate Division	Tektronix, Inc., Beaverton, Ore.	3 983 00 delivered
One hydraulic feed surface grinder and accessories	Physiology, College of Medicine	Norman Machinery Co., Chicago	6 329 50 delivered and set in place
One contour vertical band saw and accessories	Physiology, College of Medicine	Do-All Midwest Co., Chicago	3 850 65 delivered and set in place
One number two horizontal milling machine and accessories, less trade-in of one Heald Model LBT horizontal mill with vertical attachment	Physiology, College of Medicine	Kearney & Trecker Corp., Milwaukee, Wis.	14 623 00 delivered and set in place
One plastics injection press and accessories to be used for the manufacture of plastic parts in the Physiology Instrument Shop	Physiology, College of Medicine	Newbury Industries, Inc., Newbury, Ohio	3 632 60 delivered
One three-dimensional milling and engraving machine and accessories to be used to engrave and duplicate small metal and plastic parts	Physiology, College of Medicine	Marshall & Huschart Machinery Co., Chicago	6 099 50 delivered and set in place
One six-channel curvilinear oscillograph to be used in the study of the inner ear	Otolaryngology, College of Medicine	Pivan Engineering Co., Chicago	3 445 00 f.o.b. Schiller Park
One lot of polygraph components consisting of: Four 6-channel consoles Sixteen oscillographs Sixteen driver amplifiers Eight EKG preamplifiers Eight low level preamplifiers Four signal markers One selector panel Two transducers	Pharmacology, College of Medicine	Grass Instrument Co., Quincy, Mass.	12 572 00 f.o.b. Quincy, Mass.
Four FM record amplifiers Three FM playback amplifiers One direct record amplifier One direct playback amplifier To be incorporated into the Psychiatry Department's existing tape transport which is used in psycho-physiological research on infants	Psychiatry, College of Medicine	Precision Instrument Co., San Carlos, Calif.	3 645 00 f.o.b. San Carlos, Calif.
504 bottles lipomul I.V. 500 cc., a high carbohydrate nutritional supplement used in the intravenous feeding of patients; this is an estimated six-month supply	Pharmacy Stores, Chicago	The Upjohn Co., Chicago	2 889 43 delivered
46 electrical panel boards	Physical Plant, Chicago	Cregier Electrical Manufacturing Co., Chicago	5 775 00 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
500 dozen bath towels, 20 in. x 40 in. white terry weave material, 500 dozen wash cloths, 11 in. by 11 in., white terry weave, 7½ ounce material	Physical Plant, Chicago	Karoll's, Inc., Chicago	\$ 2 822 50 delivered
One lot of electrical supplies as follows: 100 panelboards 1,400 circuit breakers 100 switch units 1,000 feet of conduit 25 elbows 100 couplings 200 lock nuts 200 connectors 5,000 feet of wire 500 receptacles 200 bushings	Physical Plant, Chicago	Graybar Electric Co., Inc., Melrose Park	12 152 19 delivered

On motion of Mr. Wilkins, these purchases were authorized.

#### COMPTROLLER'S REPORT OF CONTRACTS

(29) The Comptroller's report of contracts executed during the period November 1 to 30, 1962.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
The American Iron & Steel Institute	Control of cracking in concrete reinforced with high strength steel bars	\$ 7 000 00	October 17, 1962
The Pillsbury Co.	Water activity characteristics of cake-mix ingredients on the performance of cake mixes	5 900 00	September 1, 1962
United States Air Force AF-AFOSR 8-63	Semantic and syntactic properties of many-valued and morphogrammatic systems of logic	20 531 00	October 2, 1962
United States Air Force AF-AFOSR 69-63	Negotiation and decision-making in complex organizations	16 347 00	October 1, 1962
United States Air Force AF 33(657) 8758	Solid film lubricant-binder phenomena	35 000 00	November 1, 1962
United States Navy NObs-88058	Fatigue studies on plain plate or welded plate specimens	56 810 00	August 15, 1962
<i>Total</i>		<u>\$141 588 00</u>	

#### Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
John Deere Co.	Rental of farm machinery: two furrow two-way plow and power lift tractor with optional equipment	\$ 48 57	July 1, 1962
Eversman Manufacturing Co.	Rental of farm machinery: one scraper, one leveler, and one ditcher with attachments	228 60	October 15, 1962
International Business Machines Corp.	Four key punches, one card punch, one verifier	2 191 20	October and November, 1962
International Harvester Co.	Rental of farm machinery, twelve items: \$35.15 to \$1,413.21	5 098 52	June, July, and August, 1962
MacCarthy Ford Tractor Sales, Inc.	Rental of farm machinery, five items: \$48.00 to \$670.00	1 237 97	October, 1962
Massey-Ferguson, Inc.	Rental of farm machinery: one corn combine	541 06	October 15, 1962
National Warm Air Heating and Air Conditioning Association	Rental of 1014 Lincolnshire Drive, Champaign (September 1, 1962, to June 30, 1963)	2 500 00 (for ten months)	September 1, 1962
<i>Total</i>		<u>\$ 11 845 92</u>	

#### Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Isotopes, Inc.—sub-contract under contract number AT(11-1) 1199	Study of rainout of radioactivity in Illinois	\$ 14 935 00	August 30, 1962

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
National Steel Corp.	Fatigue behavior of welded joints in N-A-Xtra high-strength steels	\$ 28 000 00	November 8, 1962
Tee-Pak Foundation	Various types of films as retardants to deterioration of meat and meat products	4 300 00	September 19, 1962
United States Air Force AF 29 (601) 2876	Effects of dynamic loads on soils and buried structures	12 727 00	September 13, 1962
United States Army DA-49-007-MD-544	Nutritive value of major nutrients of irradiated food	30 740 00	October 31, 1962
United States Army DA-49-146-XZ-023	Feasibility of designing and building a soil loading system	4 156 92	September 21, 1962
United States Army DA-49-193-MD-2212	Antiradiation drugs	566 00	October 17, 1962
United States Atomic Energy Commission AT (11-1)-790	Ribonucleic acid in the accumulation of ions by plant cells	21 373 00	November 1, 1962
United States Navy Nonr-1834(15)	Design and development of selected computer components	10 000 00	July 31, 1962
United States Navy Nonr-1834(22)	Radio astronomy	100 000 00	August 1, 1962
United States Navy Nonr-1834(26)	Plastic deformation of solids	20 500 00	August 31, 1962
<i>Total</i>		<u>\$232 362 92</u>	

#### Adjustments Made in 1961-62 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Two items: \$25.00 deduct to \$1,040.35	\$ 1 015 35	September and November, 1962

#### Adjustments Made in 1962-63 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Thirty-six items: \$68.22 deduct to \$450.00	\$ 2 476 68	September, October, and November, 1962

This report was received for record.

#### REPORT OF GIFTS AND FUNDS RECEIVED FROM OUTSIDE SOURCES

(30) Following is a report of gifts, grants, and contract funds received by the University during the fiscal year July 1, 1961, through June 30, 1962. This report includes funds from private donors and funds received from governmental agencies and covers all payments received during the fiscal year. A period of several months may elapse between the time an offer is received and accepted and final payment is made, which will account for the listing here of some gifts of funds, such as for scholarships and fellowships, for the academic year 1961-62 and others for 1962-63.

A number of these grants and gifts were previously reported to the Board when the offers were received, and likewise the Comptroller's monthly reports have included numerous research contracts for which funds had not been received at the time of reporting. These funds are being included here in order to present a complete report of all funds received from outside sources during the fiscal period 1961-62.

The contracts have all been properly executed by the Secretary and the Comptroller of the Board. All gifts and grants reported have been accepted and duly acknowledged by the President or other appropriate University officer with an expression of appreciation on behalf of the University and the Board of Trustees.

#### Colleges and Schools at Urbana-Champaign

##### Undergraduate Scholarships

1. Alcoa Foundation, Pittsburgh, Pennsylvania: scholarships in ceramic engineering (\$625); in mining, metallurgy, and petroleum engineering (\$625); and in civil engineering (\$625).....\$ 1 875 00

2. Robert Allerton, Koloa, Kauai, Hawaii: for the Allerton American Traveling Scholarships in architecture, 1962-63.....	1 000 00
3. Allstate Foundation, Skokie: scholarships for extramural classes for driver education teachers conducted by the Division of University Extension.....	3 000 00
4. American Air Filter Company, Inc., Herman Nelson Division, Moline: scholarships in engineering, 1962-63.....	1 000 00
5. American Society for Metals Foundation for Education and Research: scholarship in metallurgical engineering, 1961-62....	500 00
6. Archer-Daniels-Midland Foundation, Minneapolis, Minnesota: scholarship in chemistry and chemical engineering, 1961-62....	500 00
7. Armstrong Cork Company, Lancaster, Pennsylvania: scholarship, 1961-62 .....	290 00
8. Barber-Colman Foundation, Rockford: scholarships in engineering, 1961-62 .....	2 050 00
9. Bay State Abrasive Products Company, Westboro, Massachusetts: scholarships in ceramic engineering.....	1 000 00
10. California Company, New Orleans, Louisiana: scholarship in geology, 1962-63.....	500 00
11. Campus Chest, University of Illinois undergraduate fundraising organization: scholarships, 1962-63.....	3 746 36
12. Ceco Steel Products Corporation, Chicago: scholarship in engineering, 1962-63 .....	1 000 00
13. Chemstrand Company, a Division of Monsanto Chemical Company, New York, New York: scholarship in chemical engineering, 1962-63 .....	1 000 00
14. Consolidation Coal Company, Library, Pennsylvania: two scholarships, 1961-62, and one scholarship, 1962-63.....	1 500 00
15. Continental Grain Foundation, New York, New York: scholarships in agriculture, 1961-62 and 1962-63.....	2 000 00
16. Corn Products Company, New York, New York: scholarships in engineering and physical science.....	1 500 00
17. Dads Association, University of Illinois: scholarships, 1961-62	2 040 00
18. Edmund Deuss, Chicago: for the Raymond Torr Memorial Scholarship in Journalism fund.....	100 00
19. Ehrlich Donnan Foundation, Seattle, Washington: scholarships.....	200 00
20. Douglas Aircraft Company, Inc., Santa Monica, California: scholarship in aeronautical or electrical engineering, 1962-63...	750 00
21. Dow Chemical Company, Midland, Michigan: scholarship in mining, metallurgy, and petroleum engineering.....	500 00
22. B. F. Drakenfeld and Company, New York, New York: scholarship in ceramic engineering, 1962-63.....	500 00
23. Russell F. Duncan, Berea, Ohio: scholarship in engineering..	250 00
24. Emhart Manufacturing Company, Hartford, Connecticut: scholarship in ceramic engineering, 1962-63.....	500 00
25. Federal Land Bank of St. Louis and various Federal Land Bank Associations in Illinois: two scholarships in agriculture (\$500 each), 1962-63.....	1 000 00
26. Ferro Corporation, Cleveland, Ohio: scholarships in ceramic engineering.....	500 00
27. Foundry Educational Foundation, Cleveland, Ohio: scholarship in mechanical engineering, 1961-62.....	1 000 00
28. Galesburg Builders Supply, Galesburg: for the Harry H. Gunther Scholarship in engineering, 1961-62.....	500 00
29. General Motors Corporation, Detroit, Michigan: twenty scholarships, 1961-62 .....	14 200 00
30. Globe-Union Foundation: scholarships in ceramic engineering	500 00
31. A. P. Green Fire Brick Company, Mexico, Missouri: scholarships in ceramic engineering.....	500 00
32. Harbison-Walker Charitable Fund, Inc., Pittsburgh, Pennsylvania: scholarship in ceramic engineering, 1961-62.....	500 00

33. Estate of Dr. Charles P. Howard of Champaign: an endowment to establish the Dr. Hartwell C. Howard Memorial Fund, the income to be used to aid premedical and pre dental students (the bequest of this estate was reported to the Board of Trustees on February 21, 1962, and rules governing use of the income from the endowment for scholarships for premedical and pre dental students were approved by the Board of Trustees on July 18, 1962).....	191 264 64
34. Illinois Association of Insurance Agents, Springfield: for the G. A. Mayon Memorial Scholarship for students who are planning careers in the field of general insurance, 1961-62....	1 000 00
35. Illinois Clay Manufacturers' Association: scholarships in ceramic engineering .....	325 81
36. Illinois Congress of Parents and Teachers: scholarships, \$5,000 in any field of teacher training and \$3,500 in special education, 1962-63 .....	8 500 00
37. Illinois Federation of Women's Clubs: scholarships in occupational therapy (\$600); scholarship in the education of teachers of mentally retarded children (\$632).....	1 232 00
38. Illinois Mining Institute: scholarships in mining engineering .....	1 985 32
39. Illinois Occupational Therapy Association: scholarship in occupational therapy .....	350 00
40. Illinois State Federation of Labor and Congress of Industrial Organizations: two scholarships (\$500 each), 1962-63.....	1 000 00
41. Indiana Limestone Institute, Bloomington, Indiana: scholarship in architecture, 1961-62.....	500 00
42. Junior Women's Advertising Club of Chicago: scholarships in journalism .....	600 00
42. Kennecott Copper Corporation, New York, New York: scholarships in chemical engineering, 1961-62.....	2 000 00
44. Mrs. Eugene Koch, Peoria: for the Linsley F. Ter Bush Memorial Scholarship .....	150 00
45. Kroger Company, Cincinnati, Ohio: six scholarships, three in agriculture and three in home economics.....	1 500 00
46. Captain James M. Lane, Charlottesville, Virginia, former Professor of Naval Science at the University of Illinois: scholarship .....	400 00
47. Magnavox Company, Fort Wayne, Indiana: scholarships in mechanical and electrical engineering, 1961-62.....	3 000 00
48. P. R. Mallory Company Foundation, Inc., Indianapolis, Indiana: scholarship in ceramic engineering.....	250 00
49. Men's Residence Halls Association of the University of Illinois: for the Calvin S. Sifferd — MRHA Scholarship.....	800 00
50. Minnesota Mining and Manufacturing Company, St. Paul, Minnesota: scholarships in engineering, 1962-63.....	1 000 00
51. Mississippi Valley Structural Steel Company, St. Louis, Missouri: scholarship in architectural engineering, 1961-62.....	1 200 00
52. Moorman Manufacturing Company, Quincy: scholarships in agriculture, 1961-62 .....	1 500 00
53. Mothers Association, University of Illinois: scholarships....	1 730 00
54. Motorola, Inc., Franklin Park: scholarships in art and industrial design .....	1 500 00
55. National Association of Home Builders Scholarship Foundation, Inc., Washington, D.C.: scholarships for students in a curriculum related to the home building industry, 1962-63....	1 000 00
56. National Merit Scholarship Corporation: scholarships, 1962-63 These are supplemental grants from sponsors of National Merit Scholarships in recognition of National Merit Scholars enrolled at the University of Illinois but are for scholarship aid to students who were not Merit Scholars.	2 475 00
57. National Secretaries Association, Champaign-Urbana Chapter: scholarship, 1962-63.....	150 00



58. Nonacademic Employees Council, University of Illinois, Urbana: scholarship for a son or daughter of a nonacademic employee at Urbana.....	440 00
59. Old Ben Coal Corporation, Chicago: scholarships in mining engineering, 1961-62.....	1 000 00
60. Owens-Corning Fiberglas Corporation, Toledo, Ohio: scholarships in engineering.....	1 000 00
61. Owens-Illinois Glass Company, Toledo, Ohio: scholarships in engineering.....	2 450 00
62. Pennsylvania Glass Sand Corporation, New York, New York: scholarship in ceramic engineering, 1962-63.....	500 00
63. Perine Development Corporation, Indianapolis, Indiana: scholarship for a student in the residential development option of the land economics curriculum in the College of Commerce and Business Administration.....	500 00
64. Estate of Helen Korte Phelps: three scholarships (\$250 each), known as the Korte Scholarships, second semester, 1961-62.....	750 00
65. Physical Education for Women Alumnae Association: an endowment to establish a scholarship fund for students enrolled in the physical education for women curriculum.....	1 000 00
66. Presser Foundation, Philadelphia, Pennsylvania: scholarship in music, 1961-62.....	400 00
67. Production Credit Association: three scholarships in agriculture (\$150 each), 1962-63.....	450 00
68. Ralston Purina Company, St. Louis, Missouri: scholarship in agriculture, 1961-62.....	500 00
69. Scully-Jones Foundation, Chicago: scholarship in mechanical and industrial engineering, 1961-62.....	300 00
70. Sears-Roebuck Foundation, Chicago: scholarships in agriculture and home economics, 1961-62.....	5 100 00
71. Alfred P. Sloan Foundation, New York, New York: annual stipends for five Alfred P. Sloan National Scholars, 1961-62..	3 200 00
72. A. O. Smith Foundation, Inc., Milwaukee, Wisconsin: scholarship in ceramic engineering, 1961-62.....	500 00
73. Strauffer Chemical Company, Victor Chemical Works Division, Chicago: three scholarships in chemistry in memory of the late August Kochs, founder of the Victor Chemical Works...	3 000 00
74. Student Organizations Executive Board, University of Illinois: scholarships, 1962-63.....	2 500 00
75. Texaco, Inc., New York, New York: scholarships in engineering, 1961-62.....	1 200 00
76. Trane Company, LaCrosse, Wisconsin: scholarships for seniors in mechanical engineering.....	1 500 00
77. Union Carbide Educational Fund, New York, New York: scholarships.....	1 495 00
78. United States Rubber Company Foundation, New York, New York: scholarship, 1962-63.....	1 400 00
79. Universal Oil Products Company, Des Plaines: scholarships in chemical engineering, 1962-63.....	1 500 00
80. Various donors: to the Undergraduate Scholarship Fund...	115 00
J. D. Carrier.....	\$ 10 00
Josephine Dennis, Chicago.....	5 00
James Vedder.....	100 00
81. Western Electric Company, Chicago: scholarships in engineering, 1961-62.....	1 200 00
82. Westinghouse Electric Corporation, Baltimore, Maryland: for the Westinghouse Air Arm Scholarships, 1961-62.....	1 500 00
83. Witt-Armstrong Equipment Co., Springfield: scholarship in engineering, 1961-62.....	450 00
84. Zeta Tau Alpha Foundation, Evanston: for the Shirley K. Strout Scholarship in journalism, 1962-63.....	250 00
<i>Total, Undergraduate Scholarships.....</i>	<i>\$ 305 614 13</i>

*Miscellaneous Awards and Financial Aids to Students*

85. Alschuler Philanthropic Fund, Inc., Chicago: to the Department of Architecture for a student award.....	\$ 25 00
86. American Society for Metals, Chicago: to the Department of Mining, Metallurgy, and Petroleum Engineering for student aid.....	100 00
87. Bradley and Bradley, Inc., Rockford: to the Department of Architecture for student awards.....	200 00
88. Deeter and Ritchey, Architects, Pittsburgh, Pennsylvania: traveling expense award for a student in architecture.....	500 00
89. Eugene Falk, Minneapolis, Minnesota: to the Department of French to add to funds to assist outstanding students in their studies of French.....	20 00
90. Kivett and Myers and McCallum, Kansas City, Missouri: to the Department of Architecture for a student award.....	200 00
91. Koppers Company, Inc., Pittsburgh, Pennsylvania: to the Department of Architecture for a student award.....	500 00
92. John Wiley and Sons, Inc., New York, New York: for the Fred B. Seely Award in Engineering (Mr. Seely is a retired Professor of Theoretical and Applied Mechanics).....	100 00
93. Contributions received by the Dean of Women from numerous donors to the Women Students' Aid Fund.....	5 812 90
<i>Total, Miscellaneous Awards and Financial Aids to Students.....</i>	<i>\$ 7 457 90</i>

*Student Loans*

94. Alpha Phi Omega, an honorary service organization: for the Alpha Phi Omega Student Loan Fund.....	\$ 750 00
95. DuPage County Health Improvement Association, Wheaton: loan fund for students in the health education curriculum...	1 000 00
96. Dr. and Mrs. Arthur L. Ennis, Decatur: for the Dr. and Mrs. Arthur L. Ennis Student Loan Fund.....	550 00
97. Ford Foundation, New York, New York: for Forgivable Predoctoral Loans to Future Engineering Teachers.....	100 000 00
98. Illinois Society of Professional Engineers, Capital Chapter, Springfield: for the LeSueur H. Hendrick Memorial Fund for loans to junior and senior students in engineering.....	500 00
99. Koppers Company, Inc., Pittsburgh, Pennsylvania: to add to the Koppers Student Loan Fund.....	500 00
100. Henry Strong Educational Foundation, Chicago: to add to the long-term student loan funds.....	3 000 00
101. Tau Delta Tau: to add to the student short-term loan fund...	15 00
102. Tile Council of America, Inc., New York, New York: for student loans.....	500 00
103. United States Department of Health, Education, and Welfare under the National Defense Education Act: for student loans for all campuses.....	250 000 00
104. Various fraternity alumni: for the Fraternity Alumni Emergency Loan Fund.....	525 00
<i>Total, Student Loans.....</i>	<i>\$ 357 340 00</i>

*Funds for Graduate Fellowships and Research*

105. Abbott Laboratories, North Chicago: Roger Adams Fellowship in organic chemistry, 1961-62 (\$3,000), and 1962-63 (\$3,400).....	\$ 6 400 00
106. Allied Chemical Corporation, Nitrogen and Plastics Divisions, Hopewell, Virginia: two fellowships in the Department of Chemistry and Chemical Engineering, 1961-62.....	6 013 03
107. American Cyanamid Company, New York, New York: fellowship in chemistry, 1961-62.....	2 980 00
108. Armco Steel Corporation, Middletown, Ohio: fellowship in ceramic engineering, 1961-62.....	2 200 00

109. Automotive Safety Foundation, Washington, D.C.: fellowship in highway engineering, 1961-62.....	2 000 00
110. Bell Telephone Laboratories, Murray Hill, New York: fellowship in physics, 1961-62.....	2 560 00
111. Campbell Soup Company, Camden, New Jersey: fellowships in food technology (\$3,500) and in plant sciences (\$3,500), 1961-62.....	7 000 00
112. Collins Radio Company, Cedar Rapids, Iowa: fellowship in electrical engineering, 1961-62.....	2 000 00
113. Continental Oil Company, Ponca City, Oklahoma: fellowship in mathematics, 1961-62.....	3 000 00
114. Corning Glass Works Foundation, Corning, New York: four fellowships, summer 1962 (\$500 each plus \$495 tuition and fees and \$1,000 for departmental expenses).....	3 495 00
115. Dow Chemical Company, Midland, Michigan: fellowships in chemistry (\$2,750) and in chemical engineering (\$2,750), 1962-63.....	5 500 00
116. E. I. du Pont de Nemours and Company, Wilmington, Delaware: postgraduate teaching assistantship in chemistry, 1962-63.....	1 700 00
117. Eastman Kodak Company, Rochester, New York: fellowship in engineering (\$1,520), in chemistry (\$1,000), and in physics (\$1,000), 1961-62.....	3 520 00
118. Esso Research and Engineering Company, Linden, New Jersey: fellowship in chemistry, 1961-62.....	3 630 00
119. Ethyl Corporation, Detroit, Michigan: fellowship in chemistry, 1961-62.....	3 160 00
120. Firestone Tire and Rubber Company, Akron, Ohio: fellowship in chemistry, 1961-62.....	2 080 00
121. Ford Foundation, New York, New York: fellowships as part of the Foundation's Experimental Engineering Faculty Recruitment and Development Program which includes funds for predoctoral fellowships and loans.....	106 000 00
122. General Dynamics Corporation, General Atomic Division, San Diego, California: fellowship in physics, 1962-63.....	4 000 00
123. General Electric Foundation, Ossining, New York: fellowships in chemistry (\$3,080), in physics (\$2,730), in electrical engineering (\$2,730), and in accountancy (\$5,000).....	13 540 00
124. General Telephone and Electronics Laboratories, New York, New York: fellowships in communications, Department of Electrical Engineering, 1961-62 and 1962-63.....	5 000 00
125. Gregory Industries, Inc., Lorain, Ohio: fellowship in civil engineering, 1961-62.....	3 750 00
126. Grolier Foundation, Inc., New York, New York: the Grolier-Americana award for a graduate student in library science, 1962-63.....	1 000 00
127. Inland Steel-Ryerson Foundation, Inc., Chicago: fellowship in mining and metallurgical engineering, 1961-62.....	3 600 00
128. International Business Machines Corporation, Yorktown Heights, New York: fellowships in social sciences and electrical engineering, 1961-62.....	5 110 00
129. Johnson and Johnson, New Brunswick, New Jersey: Roger Adams Fellowship in organic chemistry, 1962-63.....	3 400 00
130. Jones and Laughlin Steel Corporation, Pittsburgh, Pennsylvania: fellowship in metallurgical engineering, 1961-62.....	2 600 00
131. Lead Industries Association, New York, New York: fellowships in ceramic engineering, 1961-62 and 1962-63.....	6 000 00
132. Lilly Endowment, Inc., Indianapolis, Indiana: fellowships in economics.....	6 000 00
133. Lubrizol Foundation, Cleveland, Ohio: fellowship in chemistry, 1962-63.....	3 000 00
134. Minnesota Mining and Manufacturing Company, St. Paul, Minnesota: fellowships in chemistry, chemical engineering, and physics (\$3,000 each), 1962-63.....	9 000 00

135. Monsanto Chemical Company, St. Louis, Missouri: two fellowships, one each in chemistry and in chemical engineering, 1961-62 .....	6 000 00
136. Motorola, Inc., Franklin Park: Paul V. Galvin Fellowship in electrical engineering, 1961-62 .....	2 500 00
137. National Lead Company, Houston, Texas: fellowship in geology, 1962-63 .....	4 400 00
138. Edward Orton Jr. Ceramic Foundation, Columbus, Ohio: two fellowships in ceramic engineering, 1961-62 .....	3 600 00
139. Parke, Davis, and Company, Ann Arbor, Michigan: fellowship in biochemistry, 1961-62 .....	3 100 00
140. Procter and Gamble Company, Cincinnati, Ohio: fellowships in chemistry (\$4,040) and in chemical engineering (\$2,920), 1962-63 .....	6 960 00
141. Pullman Foundation on behalf of the M. W. Kellogg Company, New York, New York: M. W. Kellogg Company Summer Fellowships in chemistry, summer 1962 .....	500 00
142. Pure Milk Association, Chicago: Lauterbach Memorial Fellowship in food technology, 1961-62 .....	1 500 00
143. Radio Corporation of America, Princeton, New Jersey: fellowship in electrical engineering, 1961-62 .....	2 850 00
144. Raymond Concrete Pile Company, New York, New York: A. E. Cummings Memorial Fellowship in civil engineering, 1961-62 .....	2 100 00
145. Raytheon Company, Waltham, Massachusetts: fellowship in physics, 1961-62 .....	3 150 00
146. Rohm and Haas Company, Philadelphia, Pennsylvania: fellowship in the Department of Chemistry and Chemical Engineering, 1961-62 .....	3 000 00
147. Shell Fellowship Committee of the Shell Companies Foundation, Inc., New York, New York: fellowships in chemical engineering (\$2,760) and in geology (\$2,760), 1961-62 .....	5 520 00
148. Sinclair Research, Inc., New York, New York: fellowship in organic chemistry, 1962-63 .....	2 500 00
149. Alfred P. Sloan Foundation, New York, New York: fellowships for three first-year graduate students in engineering, 1961-62 .....	9 620 00
150. Society of the Sigma Xi, Illinois Chapter: fellowship .....	500 00
151. Socony Mobil Oil Company, Inc., New York, New York: fellowships in chemistry, 1961-62 and 1962-63 .....	6 830 00
152. Stauffer Chemical Company, Chicago: fellowship in chemistry and chemical engineering in memory of August Kochs, founder of the Victor Chemical Works, a Division of Stauffer Chemical Company .....	3 000 00
153. Sun Oil Company, Philadelphia, Pennsylvania: fellowships in chemical engineering (\$3,370) and in chemistry (\$3,530), 1961-62 .....	6 900 00
154. Television Shares Management Corporation, Chicago: fellowship in electrical engineering to promote the development of new teachers in electronics, 1961-62 .....	2 000 00
155. Toni Company, Division of the Gillette Company, Chicago: fellowship in chemistry, 1961-62 .....	4 000 00
156. Union Carbide Corporation and its subsidiary divisions .....	15 140 00
Chemical Industries Council: two fellowships, summer 1962 .....	\$1 000 00
Parma Research Laboratory: fellowship in physics, 1961-62 .....	3 360 00
Visking Company: fellowship in chemical engineering, 1961-62 .....	3 720 00
Union Carbide Plastics Company: fellowship in chemistry .....	3 680 00
Union Carbide Metals Company: fellowship in mining, metallurgy, and petroleum engineering .....	3 380 00

157. United States Rubber Company Foundation, New York, New York: fellowship in physical and engineering sciences, 1961-62.....	2 910 00
158. United States Steel Foundation, Inc., New York, New York: fellowship in physics, 1961-62 and 1962-63.....	7 200 00
159. Universal Match Corporation, St. Louis, Missouri: fellowship in chemistry and chemical engineering, 1961-62.....	2 500 00
160. Upjohn Company, Kalamazoo, Michigan: fellowship in microbiology, 1962-63 .....	3 982 00
161. Various donors: fellowships in the Jane Addams Graduate School of Social Work.....	11 352 00
Gads Hill Center, Chicago.....	\$ 1 800 00
Hull House Association, Chicago.....	4 000 00
Wieboldt Foundation, Chicago.....	2 652 00
Woods Charitable Fund, Chicago.....	900 00
Young Men's Jewish Council, Chicago.....	1 800 00
Young Women's Christian Association of Chicago .....	200 00
162. Woodrow Wilson National Fellowship Foundation, Princeton, New Jersey: fifteen fellowships, 1961-62.....	30 000 00
163. Zeta Phi Eta: fellowship in speech.....	663 00
	(383 515 03)
164. Abbott Laboratories, North Chicago.....	12 900 00
To the Department of Animal Science for studies in swine nutrition.....	\$1 500 00
To the Department of Physiology for a study of calcium metabolism .....	5 000 00
To the Department of Physiology for a study of animal gastro-intestinal tract.....	4 000 00
To the Radiocarbon Laboratory for research.....	2 400 00
165. Allied Chemical Corporation, Hopewell, Virginia: to the Department of Animal Science for a study on ruminant nutrition with particular regard to energy and nitrogen utilization .....	3 000 00
166. American Bird Products, Inc., Chicago: to the Department of Veterinary Pathology and Hygiene for a study of epidemiology and control of psittacosis and psittacoid diseases..	2 000 00
167. American Cancer Society, Inc., New York, New York.....	22 522 00
To the Department of Microbiology for studies on viruses .....	\$19 572 00
To the School of Life Sciences for a study of hemoproteins .....	2 000 00
To the Department of Botany for research.....	950 00
168. American Chemical Products, Inc., Ambler, Pennsylvania: to the Department of Agronomy for studies on soybeans....	500 00
169. American Chemical Society, Washington, D.C.....	79 450 00
To the Department of Chemistry and Chemical Engineering:	
For a study of surface phenomena in phase contacting.....	\$ 7 250 00
For a study of catalysis in a stirred reactor...	4 350 00
For a study of mechanisms of radical reactions .....	6 200 00
For a study of diffusion mechanism: molecules in solution.....	6 450 00
For nuclear magnetic and electron spin resonance studies of hydrocarbons.....	12 900 00
For a study of ferrocene derivatives.....	8 000 00
For research on petroleum.....	15 000 00
For studies on mechanisms of organic reactions .....	6 300 00
To the Department of Geology:	
For mineralogical and chemical studies of ancient sediments .....	6 000 00
For petrographic investigations of silurian reefs.....	7 000 00

170. American Cyanamid Company, Princeton, New Jersey.....	2 000 00
To the Department of Agronomy for studies on field experiments with phosphoric acid.....	\$ 1 000 00
To the State Natural History Survey for study on systemic insecticides for control of insects on wheat.....	1 000 00
171. American Dairy Association: to the Department of Food Technology.....	24 000 00
For a study of the relationship between dietary fat and composition of blood lipids.....	\$12 000 00
For an investigation of the effects of butterfat and corn oil in relation to the development of atherosclerosis.....	8 500 00
For a study of the relationship of milk protein to serum cholesterol levels.....	3 500 00
172. American Foundation for Management Research, Inc., New York, New York: to the Department of Management for a study of the critical requirements of executive motivation..	480 00
173. American Gas Association, New York, New York: to the Department of Mining, Metallurgy, and Petroleum Engineer- ing for a study of the effects of alternating current on the corrosion of steels buried in soils.....	18 000 00
174. American Heart Association: to the Department of Food Technology for a study of B-lipoprotein liability.....	9 900 00
175. American Iron and Steel Institute, New York, New York..	16 500 00
To the Department of Theoretical and Applied Mechanics for studies of welded wire fabric for reinforced concrete .....	\$ 3 500 00
To the Department of Theoretical and Applied Mechanics for a study of behavior of higher strength steel in columns.....	13 000 00
176. American Oil Company: to the Department of Agricultural Engineering for a study on accelerated drying of farm grains	7 500 00
177. American Petroleum Institute, New York, New York: to the Department of Mining, Metallurgy, and Petroleum Engineering .....	9 000 00
For research on seismic energy paths in velocity logging.....	\$ 5 000 00
For research on drillability and the surface energy of solids .....	4 000 00
178. American Psychological Association, Washington, D.C.: to the Institute of Communications Research for a research project on information exchange among and connotations of psychological journals.....	7 221 31
179. American Society of Heating, Refrigerating, and Air Con- ditioning Engineers, Inc., New York, New York: to the Department of Mechanical and Industrial Engineering.....	12 000 00
For a study of selection and application of air measuring devices .....	\$ 2 500 00
For a study of safety with high temperature water systems .....	2 500 00
For a study of steam and condensate flow in pipes	7 000 00
180. American Steel and Wire Company, Cleveland, Ohio: to the Department of Theoretical and Applied Mechanics for a study on behavior of deformed wire fabric in concrete.....	6 800 00
181. Amsted Industries, Inc., Chicago: to the Department of Mechanical and Industrial Engineering for research in the field of cast metals education.....	500 00
182. Archer-Daniels-Midland Foundation, Minneapolis, Minne- sota: to the Department of Food Technology for studies on fats and oils.....	1 500 00

183. Armington Illinois Community Chest: to the Department of Food Technology for lipids research.....	392 16
184. Association of American Railroads: to the Department of Civil Engineering for a study of the performance of filter material in subdrains.....	2 800 00
185. Association of American Railroads and American Iron and Steel Institute: to the Department of Theoretical and Applied Mechanics for a study of the cause of failures in railroad rails in service.....	16 000 00
186. Armour Pharmaceutical Company.....	8 290 00
To the Department of Veterinary Physiology and Pharmacology for a study of pharmacological characterization of new drugs potentially useful in veterinary medicine with particular emphasis on drugs affecting the nervous system.....	\$ 6 440 00
To the Department of Health and Safety Education for a study of the effect of certain medications on the individual as to reaction time, steadiness, and visual acuity.....	1 850 00
187. Bear Hybrid Corn Company, Inc., Decatur: to the Department of Agronomy for corn research.....	5 000 00
188. Bendix Aviation Corporation, South Bend, Indiana: to the Department of Ceramic Engineering for a study of thermal diffusivity and elastic moduli of ceramic-metal combinations at elevated temperatures.....	26 276 25
189. California Chemical Company, Ortho Division, Richmond, California: to the Department of Plant Pathology for studies on control of diseases of turf grass.....	300 00
190. Carle Foundation, Urbana: to the Department of Physiology and Biophysics for a study of the contractile force of the heart muscle under varying situations of drug administration and myocardial ischemia.....	1 000 00
191. Carnegie Corporation of New York, New York: to the University High School.....	153 000 00
Development of a new elementary school arithmetic curriculum.....	\$71 300 00
Development of a new high school mathematics curriculum.....	81 700 00
192. Caterpillar Tractor Company, Peoria: to the Department of Civil Engineering for studies of the behavior of U-shaped structural members subjected to torsion and flexure.....	13 000 00
193. Ciba Pharmaceutical Products, Inc., Summit, New Jersey: to the Department of Physiology and Biophysics for a study of animal gastro-intestinal tract.....	4 000 00
194. Climax Molybdenum Company, New York, New York: to the Department of Agronomy for studies on trace elements..	1 500 00
195. Columbia University, New York, New York (from a Sloan Foundation grant): to the Department of Chemistry and Chemical Engineering for research in physical chemistry....	1 859 51
196. Commercial Solvents Corporation, Terre Haute, Indiana: to the Department of Animal Science.....	6 000 00
For a study on vitamins and growth factors in swine nutrition .....	\$ 3 000 00
For a study of destruction of vitamin A in the rumen.....	3 000 00
197. Consolidated Electrodynamics Corporation, Pasadena, California: to the Department of Ceramic Engineering for research in the area of hermetic seals and electrical properties of special glasses.....	5 500 00
198. Container Corporation of America, Chicago: to the Department of Agricultural Engineering for studies on storage of shelled corn.....	2 500 00

199.	Corn Industries Research Foundation, Inc., Washington, D.C.	26 827 00
	To the Department of Agronomy for a study of the breeding and genetics of high oil corn.....\$12 827 00	
	To the Department of Home Economics for studies on behavior of starches in food products..	6 500 00
	To the Department of Chemistry and Chemical Engineering for studies on metal complexes of starch.....	7 500 00
200.	Council of Ten and the University of Chicago: to the Department of Broadcasting for studies of institutional cooperation.....	750 00
201.	Crop-Hail Insurance Actuarial Association, Chicago: to the State Water Survey to study factors producing hailstorms in Illinois.....	6 000 00
202.	Dawe's Laboratories, Inc., Chicago: to the Department of Animal Science for a study on animal and poultry nutrition	2 000 00
203.	Diamond Alkali Company, Cleveland, Ohio: to the Department of Plant Pathology for studies on soil fungicides.....	300 00
204.	Dow Corning Corporation, Midland, Michigan: to the Department of Chemistry and Chemical Engineering for research.....	500 00
205.	E. I. du Pont de Nemours and Company Inc., Wilmington, Delaware.....	25 000 00
	To the Department of Chemistry and Chemical Engineering for research in chemistry (\$15,000) and in chemical engineering (\$5,000).....\$20 000 00	
	To the Department of Physics for research.....	5 000 00
206.	Eisner Food Stores, Champaign: to the Department of Marketing for research.....	500 00
207.	Engineering Foundation, New York, New York: to the Department of Civil Engineering for a study of structural joints—riveted and bolted.....	26 395 00
208.	Ford Foundation, New York, New York.....	112 118 73
	To the Bureau of Economic and Business Research for the savings research project of the Inter-University Committee for Research on Consumer Behavior .....	\$12 500 00
	To the Department of Sociology for the systematic development of new concepts and practices of delinquency prevention.....	2 500 00
	To the Department of Sociology for expansion of a study of the effectiveness of the federal correctional system and dissemination of its findings to interested professionals in the fields of criminal law and corrections.....	22 500 00
	To the Office of Community Development for a project to help define the University's role in meeting urban problems and to develop a training program for services to Illinois' rapidly urbanizing communities (a partial payment of a total grant of \$125,000).....	60 000 00
	To the Department of Electrical Engineering for research in the behavioral sciences.....	1 178 73
	To the University Press to stimulate scholarly publication in the humanities and social sciences..	13 440 00
209.	Ford Motor Company, Dearborn, Michigan: to the Department of Animal Science for research into factors affecting the immunological response of the pig.....	2 000 00
210.	Foundry Educational Foundation, Cleveland, Ohio: to the Department of Mechanical and Industrial Engineering for research.....	250 00



211. Geigy Chemical Corporation, Ardsley, New York: to the Department of Veterinary Pathology and Hygiene for a study of canine dermatitis.....	525 00
212. General Electric Foundation, Ossining, New York: to the Department of Mathematics for research.....	5 000 00
213. General Motors Corporation: to the Departments of Electrical Engineering and Theoretical and Applied Mechanics (\$500 each) for research.....	1 000 00
214. Goodyear Aircraft Corporation, Akron, Ohio: to the Department of Ceramic Engineering for research.....	7 486 69
215. Granite City Steel Company, Granite City, Illinois: to the Department of Agricultural Engineering for studies on optimum environmental conditions for the growth of swine.....	2 500 00
216. Gregory Industries, Inc., Lorain, Ohio: to the Department of Civil Engineering for a study of welded studs.....	6 000 00
217. Griffin Wheel Company, Chicago.....	38 000 00
To the Department of Ceramic Engineering for a study of steel casting refractories.....	\$22 500 00
To the Department of Theoretical and Applied Mechanics for a study of cast steel railway car wheels.....	15 500 00
218. Grolier Foundation, Inc.: to the College of Education for a study of high school reading interests.....	6 499 66
219. Hercules Powder Company, Inc., Wilmington, Delaware: to the Department of Chemistry and Chemical Engineering for fundamental research.....	2 500 00
220. Human Ecology Fund, New York, New York: to the Institute of Communications Research for a study of the cross-cultural generality of meaning systems.....	77 720 20
221. Illinois Agricultural Association: to the Department of Food Technology for a study of the quality of dairy products.....	1 000 00
222. Illinois Archaeological Survey: to the Department of Anthropology for preliminary site examination and preliminary testing and excavation.....	1 091 05
223. Illinois Dairy Products Association, Inc., Chicago: to the Department of Dairy Science for cream quality research....	2 250 00
224. Illinois Farm Bureau Serum Association, Bloomington: to the Department of Veterinary Pathology and Hygiene for studies on diagnostic tests for hog cholera.....	4 000 00
225. Illinois Farm Electrification Council: to the College of Agriculture for a study of rural electrification.....	15 390 00
Contributing corporations:	
Association of Illinois Electric Cooperatives of Springfield.....	\$7 000 00
Central Illinois Electric and Gas Company.....	425 00
Central Illinois Light Company of Springfield.....	550 00
Central Illinois Public Service Company.....	1 250 00
Commonwealth Edison Company of Chicago.....	3 500 00
Illinois Power Company.....	2 450 00
Interstate Power Company.....	52 00
Iowa-Illinois Gas and Electric Company.....	60 00
Mt. Carmel Public Utility Company.....	60 00
Union Electric Company.....	43 00
226. Illinois Farm Supply Company, Bloomington.....	7 400 00
To the Department of Dairy Science for studies on dairy cattle feeding and nutrition.....	\$ 600 00
To the Department of Animal Science for studies of swine, poultry, and nutrition.....	1 800 00
To the Department of Agricultural Engineering for a study on improvement of farm tractor maintenance.....	5 000 00

227. Illinois Heart Association: to the Department of Food Technology for a study of the relationship of dietary components to cholesterol metabolism.....	9 000 00
228. Illinois Liquid Fertilizer Association of Monticello: to the Department of Agronomy for studies of liquid and dry fertilizers.....	500 00
229. Illinois Seed Producers Association, Inc., Champaign.....	10 000 00
To the Department of Agronomy for corn research.....	\$7 500 00
To the Department of Plant Pathology for corn research.....	2 500 00
230. Illinois Turfgrass Foundation, Inc., Lombard: to the Department of Horticulture for studies on turf grasses.....	1 400 00
231. Institute of Boiler and Radiator Manufacturers, New York, New York: to the Department of Mechanical and Industrial Engineering for a study of steam and water heating.....	39 600 00
232. Jersey Production Research Company, Tulsa, Oklahoma: to the Department of Mechanical and Industrial Engineering for machine design research.....	1 072 50
233. Kearney and Trecker Corp., Milwaukee, Wisconsin: to the Department of General Engineering for research.....	1 500 00
234. Charles F. Kettering Foundation, Hinsdale: to the Department of Chemistry and Chemical Engineering for the development and construction of apparatus for the measurement of the magnetic susceptibility of small samples over wide temperature ranges.....	12 500 00
235. Kretschmer Corporation, Carrollton, Michigan: to the Department of Physical Education for Men for a study of the relative effects of wheat germ oil on physical performance tests.....	1 250 00
236. Lawrenceville Garden Club, Lawrenceville, Illinois: to the Department of City Planning and Landscape Architecture for a central area study project.....	2 400 00
237. Lilly Endowment, Inc., Indianapolis, Indiana: for research in the study of individual freedom.....	34 000 00
238. Harry J. Loman Foundation, Bryn Mawr, Pennsylvania: to the Department of Finance for research in insurance education.....	75 00
239. Malting Barley Improvement Association, Milwaukee, Wisconsin: to the Department of Agronomy for studies on barley variety tests.....	345 00
240. Merck and Company, Inc., Rahway, New Jersey: to the Department of Animal Science for a study on growth stimulants for swine.....	3 000 00
241. William S. Merrell Company, Cincinnati, Ohio: to the Department of Marketing for research.....	600 00
242. Midwest Agricultural Limestone Institute, Kankakee: to the Department of Agronomy for studies on soil management research.....	500 00
243. Mrs. C. Philip Miller, Chicago: to the Department of Forestry for research.....	3 098 96
244. University of Minnesota, Minneapolis, Minnesota (from a grant from the Ford Foundation): to the Department of Mathematics for a study of mathematics for business.....	5 000 00
245. Monsanto Chemical Company, St. Louis, Missouri.....	5 600 00
To the Department of Agronomy for studies on herbicidal action of chemical compounds.....	\$2 500 00
To the Department of Food Technology for studies on phosphates in milk.....	1 600 00
To the Department of Agricultural Economics for studies on the economic use of fertilizers.....	1 500 00

246. Moorman Manufacturing Company, Quincy: to the Department of Animal Science.....	5 200 00
For a study of nutritional quality of pig starter rations.....	\$2 600 00
For a study on poultry nutrition.....	2 600 00
247. Mark L. Morris Animal Foundation, Denver, Colorado: to the Department of Veterinary Clinical Medicine for a study of a urethral substitute for the canine and feline patient....	1 957 50
248. Morton Chemical Company, Woodstock: to the Department of Plant Pathology for studies on fungicides.....	1 000 00
249. Mosinee Paper Mills Company, Mosinee, Wisconsin: to the Department of Agricultural Engineering for studies on mulching with paper.....	1 000 00
250. Muscular Dystrophy Associations of America, Inc., New York, New York: to the Department of Animal Science for studies on metabolism of radioactive vitamin E in the rat..	4 305 58
251. National Academy of Sciences, Washington, D.C.: to the Highway Traffic and Safety Center for a study of motor vehicle registration and titling practices.....	2 000 00
252. National Distillers and Chemical Corporation, New York, New York: to the Department of Agronomy for studies of the requirements of different genetic lines of soybeans.....	6 000 00
253. National Educational Television and Radio Center, New York, New York: to the Department of Mathematics for a study to determine use of film demonstration in teacher education in mathematics.....	37 991 92
254. National Lead Company: to the Department of Chemistry and Chemical Engineering for research in titanium chemistry	6 413 00
255. National Lime Association, Washington, D.C.: to the Department of Geology for a study by X-ray diffraction and other methods of the reactions in the clay mineral and other mineral components of various types of soils when treated with lime for the purpose of stabilization for road surfaces..	5 625 00
256. National Live Stock and Meat Board, Chicago: to the Department of Food Technology for studies on the biological utilization of fatty acid isomers.....	8 500 00
257. National Roofing Contractors Association: to the Small Homes Council-Building Research Council for a study of roofing failures .....	3 500 00
258. National Society for Crippled Children and Adults, Chicago: to the Division of Rehabilitation-Education Services for a study on the development of specifications for buildings and facilities to accommodate individuals in wheelchairs and others with severe forms of physical disability.....	4 082 50
259. National Soybean Crop Improvement Council, Decatur, Indiana: to the Department of Agronomy for a study of soil fertility requirements of different genetic lines of soybeans .....	7 000 00
260. National Steel Corporation, Weirton, West Virginia: to the Department of Civil Engineering for an evaluation of the fatigue behavior of welded joints in N-A-Xtra high-strength steels .....	19 000 00
261. National Vitamin Foundation, Inc., New York, New York.. To the Department of Animal Science for a study of vitamin E functions.....	13 503 08
To the Radiocarbon Laboratory for a study of metabolism of radioactive vitamin A.....	\$5 000 00
262. National Warm Air Heating and Air Conditioning Association, Cleveland, Ohio: to the Department of Mechanical and Industrial Engineering for studies of heating, ventilating, and air conditioning as related to warm-air furnace heating.....	8 503 08
	33 042 00

263. New Holland Machine Company, New Holland, Pennsylvania: to the Department of Agricultural Engineering for a study on rural electrification.....	2 000 00
264. Olin Mathieson Chemical Corporation, Little Rock, Arkansas: to the Department of Agronomy for a study to compare ammonium phosphates with other sources of phosphate in banded and broadcast applications for corn.....	750 00
265. Earl Osborn, New York, New York: to the Institute of Communications Research to assist in the publication of a monograph on psychological factors in war and peace.....	5 160 32
266. Pennsalt Chemicals Corporation, Aurora: to the Department of Plant Pathology for fruit research.....	750 00
267. Chas. Pfizer and Company, Inc., New York, New York: to the Department of Animal Science for a study to evaluate amino acids, unidentified growth factors, vitamins, and antibiotics in swine.....	2 500 00
268. Population Council, Inc., New York, New York: to the Department of Sociology for research.....	2 035 00
269. Portland Cement Association, Chicago.....	47 000 00
To the Department of Agricultural Engineering for studies on farm structures.....	\$ 2 000 00
To the Department of Civil Engineering for a study of the strength and deformation characteristics of reinforced concrete beam-column connections subjected to axial and transverse loads.....	45 000 00
270. Procter and Gamble Company, Cincinnati, Ohio: to the Department of Botany for a study of fatty alcohols to reduce transpiration and evaporation in plants.....	13 110 00
271. Quaker Oats Company, Chicago: to the Department of Agronomy for a study of oat hybrids.....	3 100 00
272. Reinforced Concrete Research Council: to the Department of Civil Engineering for research.....	7 500 00
273. Resources for the Future, Inc., Washington, D.C.: to the Bureau of Community Planning for an urban and regional survey.....	10 000 00
274. Rockefeller Foundation, New York, New York.....	26 286 95
To the Department of Agronomy for a study of polyploids in maize.....	\$ 3 724 18
To the Bureau of Economic and Business Research for a study of government subsidies in countries in Western Europe and their influence on economic growth and stability.....	2 850 00
To the Department of Entomology for research.....	19 712 77
275. Rohm and Haas Company, Philadelphia, Pennsylvania.....	1 350 00
To the Department of Agronomy for studies on herbicidal field testing.....	\$300 00
To the Department of Plant Pathology for studies on turf disease.....	300 00
To the Department of Plant Pathology for studies of field testing fungicides.....	750 00
276. Shaw Process Development Corporation, Port Washington, New York: to the Department of Mechanical and Industrial Engineering for foundry research.....	4 279 90
277. Shell Chemical Corporation: to the State Natural History Survey for research on insecticides.....	2 500 00
278. Alfred P. Sloan Foundation, Inc., New York, New York... To the Department of Chemistry and Chemical Engineering for research.....	56 280 00
To the Department of Physics for research.....	\$37 305 00
279. Smith, Kline, and French Laboratories, Philadelphia, Pennsylvania: to the Health Service for anti-viral chemotherapy research.....	18 975 00
	1 500 00

280. Socony Mobil Oil Company, Inc., Paulsboro, New Jersey: to the Department of Chemistry and Chemical Engineering for research on metal coordination of complexes.....	4 000 00
281. Sonic Research Foundation, Chicago: to the Department of Electrical Engineering for acoustics research.....	1 000 00
282. State University of Iowa, Iowa City, Iowa: to the Department of Electrical Engineering for ultrasonic research project.....	10 500 00
283. Stauffer Chemical Company, San Francisco, California: to the Department of Agronomy for studies on herbicides.....	800 00
284. Tee-Pak Foundation: to the Department of Food Technology for a study on various types of films as retardants to deterioration of meat and meat products.....	3 500 00
285. Telecomputing Corporation, Los Angeles, California: to the Department of Ceramic Engineering for a study of metal pyrophosphates.....	3 250 00
286. Texaco, Inc., New York, New York: to the Department of Agricultural Engineering for a study on methods and machines for more efficient application of anhydrous ammonia, aqua ammonia, and slurries of dry and liquid nutrients.....	3 500 00
287. Union Carbide Corporation, New York, New York: to the Departments of Chemistry and Chemical Engineering, Electrical Engineering, and Mechanical and Industrial Engineering for research.....	700 00
288. United States Steel Corporation, Pittsburgh, Pennsylvania: to the Department of Agricultural Economics for a study of the determination, tabulation, and critical analysis of existing barriers to the marketing of sterile concentrated milk.....	10 000 00
289. Upjohn Company, Kalamazoo, Michigan.....	12 000 00
To the Department of Chemistry and Chemical Engineering for research.....	\$2 000 00
To the Department of Plant Pathology for studies on new antibiotics.....	8 000 00
To the Radiocarbon Laboratory for a study of radioactive hydrogen in organic chemistry.....	2 000 00
290. Various donors: to the Department of Civil Engineering for a study of lime-pozzolon mixtures of soils.....	17 375 00
Burrill Construction and Supply, New Kensington, Pennsylvania.....	\$1 000 00
Connecticut Light and Power Company, Berlin, Connecticut.....	3 000 00
G. and W. H. Corson, Plymouth Meeting, Pennsylvania.....	3 875 00
National Lime Association, Washington, D.C.....	7 500 00
Philadelphia Electric Company, Philadelphia, Pennsylvania.....	2 000 00
291. Various donors: to the University High School to continue a study on nonverbal awareness.....	1 375 00
American Museum of Natural History, New York, New York.....	\$200 00
Hamilton College, Clinton, New York.....	175 00
Melvin Pfaelzer.....	300 00
Gertrude Hendrix, Urbana.....	700 00
292. Velsicol Chemical Corporation, Chicago.....	7 000 00
To the Department of Zoology for research on the toxicology of insecticides.....	\$5 000 00
To the State Natural History Survey for a study of residues in meat and milk.....	2 000 00

293. VioBin Corporation, Monticello.....	6 500 00
To the Department of Animal Science:	
For a study of fishmeal and fishmeal products in swine nutrition .....	\$1 700 00
For a study of proteins and fats.....	400 00
To the Department of Physical Education for Men for a study of the value of wheat germ oil in physical fitness programs.....	4 400 00
294. Hiram Walker and Sons, Inc., Detroit, Michigan: to the Department of Animal Science for a study on the nutritive properties of dried distillers' solubles in swine nutrition....	760 00
295. Washington University, St. Louis, Missouri (from a grant from the Ford Foundation): to the Institute of Labor and Industrial Relations for a study of public and private job placement of middle-aged and older workers.....	3 025 00
296. Welding Research Council: to the Department of Civil Engineering for an investigation of welding procedure.....	10 000 00
297. Wisconsin-Minnesota Cooperative Bull Stud Group, Shawano, Wisconsin: to the Department of Dairy Science for a study of the effect of aging on the nuclear material of bovine spermatozoa.....	3 220 00
	(1 440 363 77)

Total, Funds for Graduate Fellowships and Research...\$ 1 823 878 80

*Funds for Educational, Research, Cultural, and Recreational Purposes Not Otherwise Classified*

298. American Mathematical Society: to the Department of Mathematics for publication of a journal of mathematics (also financed in part by assignments from the George A. Miller Endowment) .....	\$ 1 200 00
299. Babcock and Wilcox Company, New York, New York: to the College of Engineering for engineering and technical education.....	1 400 00
300. Alfred Benesch and Company, Chicago: an unrestricted gift to the Department of Civil Engineering, in memory of the late V. M. Romine, an alumnus of the University of Illinois and formerly engineer of Bridge and Traffic Structures for the Illinois Division of Highways.....	2 000 00
301. California Company, New Orleans, Louisiana: an unrestricted grant to the Department of Geology.....	500 00
302. Champaign County Health Improvement Association, Champaign: to the Department of Speech and Theatre for the purchase of a tape recorder for the Speech and Hearing Clinic .....	149 21
303. Chicago Bridge and Iron Foundation, Chicago: an assistantship in civil engineering, 1961-62.....	7 000 00
304. Chicago 4-H Association: to the College of Agriculture for urban 4-H Club work.....	4 000 00
305. Continental Can Company, Inc., New York, New York: an unrestricted grant to the College of Engineering.....	500 00
306. Ford Foundation, New York, New York: for the participation of the Cooperative Extension Service in Agriculture and Home Economics in an educational program relating to public affairs and public responsibilities.....	6 500 00
307. Ford Motor Company, Dearborn, Michigan: to the Department of Mechanical and Industrial Engineering for development of laboratory facilities.....	10 000 00
308. Illinois Savings and Loan League, Springfield: to the Department of Finance for a Financial Institutions Seminar....	1 468 08
309. Illinois State Academy of Science: to the Physical Plant Department for expenses in connection with the Junior Academy of Science Exposition held on the University of Illinois campus .....	4 700 00

310. Illinois State Florist Association: to the Department of Horticulture for the purchase of research equipment.....	2 500 00
311. Institute of Life Insurance, New York, New York: to the College of Education for a summer workshop on education in family finance.....	3 250 00
312. International Business Machines Corporation: to the Digital Computer Laboratory for support of computer oriented education (this is partial payment of a total grant of \$125,000)	50 000 00
313. Inter-University Committee on Travel Grants: for travel expenses for members of the faculty in connection with their participation in the program of exchange of graduate students and young faculty members with the Soviet Union...	3 402 00
314. Kappa Tau Alpha, national honorary society in journalism: for expenses for an annual journalism banquet (to be added to the endowment fund established for this purpose).....	505 00
315. Charles F. Kettering Foundation, Hinsdale: to the Department of Chemistry and Chemical Engineering for a Visiting Lectureship in Chemistry (first payment of a \$50,000 grant covering a five-year period).....	10 000 00
316. Mr. and Mrs. Charles J. Merriam: an unrestricted gift for a special fund to be established over a period of years.....	22 345 35
317. National Education Association: to the Bureau of Educational Research for publication of a handbook.....	1 000 00
318. Edward Orton Jr. Ceramic Foundation, Columbus, Ohio: to the Department of Ceramic Engineering for the purchase of equipment .....	5 000 00
319. Purdue Research Foundation, Lafayette, Indiana: to the Office of Instructional Television (The University of Illinois is one of twenty colleges and universities serving as resource institutions for the Midwest Program on Airborne Television instruction. The funds received are primarily for salaries, travel, and office expense incurred in assisting the public schools in eastern Illinois to receive, use, and evaluate these experimental programs.).....	7 548 44
320. Tile Council of America, Inc., New York, New York: to the Department of Architecture for purchase of equipment in the area of materials and methods of construction.....	250 00
321. Various donors: to the Department of Accountancy for expenses in connection with an International Conference on Accounting Education .....	2 250 00
Amsted Industries Foundation, Chicago.....	\$ 250 00
A. B. Dick Foundation, Chicago.....	500 00
Ernst and Ernst, Chicago.....	1 000 00
Price Waterhouse and Company, Chicago.....	500 00
322. Various donors: to the Department of Geography for an Atlas of Illinois Resources.....	2 775 00
Central Illinois Electric and Gas Company, Rockford.....	\$ 250 00
Central Illinois Public Service Company, Springfield.....	1 000 00
Commonwealth Edison Company, Chicago.....	1 000 00
Illinois Power Company, Decatur.....	300 00
Iowa-Illinois Gas and Electric Company, Davenport, Iowa .....	125 00
Union Electric Company, St. Louis, Missouri.....	100 00
323. Western Electric Fund, New York, New York: to the Department of Electrical Engineering for purchase of laboratory equipment .....	895 00
<i>Total, Funds for Educational, Research, Cultural, and Recreational Purposes Not Otherwise Classified...</i>	<i>\$ 151 138 08</i>

*Educational Grants Fund*

The Board of Trustees has established this fund and has authorized the President to make assignments from it for non-recurring educational purposes. The income is grants from foundations, business and industrial corporations to the University in recognition of the educational costs involved in accepting fellowships and scholarships, and of the service expense in administration of research grants. Contributions deposited in this fund were received from:

324. Alcoa Foundation, Pittsburgh, Pennsylvania.....	\$	375 00
325. Armco Foundation, Middletown, Ohio.....		100 00
326. Budd Company, Philadelphia, Pennsylvania.....		425 00
327. Campbell Soup Company, Chicago, Illinois.....		3 500 00
328. Carle C. Conway Scholarship Foundation, New York, New York.....		300 00
329. General Electric Foundation, Ossining, New York.....		4 000 00
330. Hunt Foundation, Pittsburgh, Pennsylvania.....		125 00
331. International Business Machines Corporation, New York, New York.....		5 000 00
332. Mary C. Marsh bequest, Detroit, Michigan.....		1 000 00
333. Marsteller, Inc., Chicago Illinois.....		25 00
334. Merck and Company, Inc., Rahway, New Jersey.....		500 00
335. Owens-Corning Fiberglas Corporation, Toledo, Ohio.....		500 00
336. Owens-Illinois Glass Company, Toledo, Ohio.....		1 200 00
337. Radio Corporation of America, Princeton, New Jersey.....		100 00
338. Rockefeller Foundation, New York, New York.....		4 000 00
339. H. O. Sexton, Urbana, Illinois.....		10 00
340. Hiram Walker-Gooderham and Worts Limited, Walkerville, Ontario, Canada.....		350 00
341. Woman's League, University of Illinois.....		6 00
<i>Total, Educational Grants.....</i>	<i>\$</i>	<i>21 516 00</i>

*Contributions from County Farm and Home Bureaus*

342. To the Cooperative Extension Service in Agriculture and Home Economics for partial payment of salaries and operating expenses of farm and home advisers.....	\$	1 059 215 22
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*Gifts for Educational and Research Buildings and for Other Facilities*

343. Robert Allerton: for acquisition of additional land adjoining Robert Allerton Park.....	\$	1 687 50
344. Ethel Burnside, Paris, Illinois: for construction of the Burnside Research Laboratory (partial payment of total gifts of \$250,000).....		25 014 18
345. Eastman Kodak Company: for development of plans for a new chemistry building.....		11 500 00
346. Moorman Company Fund, Quincy, Illinois: for buildings, equipment, and other facilities for animal breeding research.....		30 000 00
347. University of Illinois Foundation.....		48 418 67
For architectural services on addition to Electrical Engineering Building.....	\$18 918 67	
For the Krannert Art Museum sculpture and acquisition of art objects (from the Krannert Foundation).....	28 500 00	
For the construction of the Veterinary Medical Research Building.....	1 000 00	
For construction of the Labor and Industrial Relations building..		8 500 00
348. Commonwealth Edison Company, Chicago.....	\$3 000 00	
349. Illinois State Council of Machinists, Quincy.....	500 00	
350. Magnavox Foundation, Inc., Ft. Wayne, Indiana...	2 500 00	



351. Union Starch and Refining Foundation, Columbus, Indiana.....	2 500 00	
Gifts for this project from other donors have previously been reported.		
For construction of the University Club.....		30 000 00
352. Mr. and Mrs. Harold Boeschstein.....	\$10 000 00	
353. William E. Levis.....	10 000 00	
354. Owens-Illinois Glass Company.....	10 000 00	
<i>Total, Gifts for Educational and Research Buildings and for Other Facilities.....</i>		<i>\$ 155 120 35</i>
<i>Federal Grants for Buildings and Other Facilities</i>		
355. National Institutes of Health.....	\$	490 027 00
Physiology Research Laboratory.....	\$ 76 000 00	
Zoonoses Laboratory Building.....	81 695 00	
Electrical Engineering Bioacoustics Laboratory..	57 832 00	
Life Sciences Building, First Unit (Justin Smith Morrill Hall) .....	274 500 00	
356. National Science Foundation.....		184 765 00
Addition to Electrical Engineering Building.....	\$24 464 00	
Gaseous Electronics Laboratory.....	46 736 00	
Digital Computer Laboratory.....	42 005 00	
Entomology Laboratory Building.....	37 808 00	
Natural History Building Remodeling.....	24 900 00	
Scientific Equipment Program.....	5 560 00	
Animal Genetics Laboratory.....	3 292 00	
<i>Total, Federal Grants for Buildings and Other Facilities..</i>		<i>\$ 674 792 00</i>
<i>United States Government Grants and Research Contracts</i>		
357. Agency for International Development.....	\$	626 566 51
358. Air Force .....	2 244 221 36	
359. Army Chemical Corps.....	42 145 34	
360. Army Institute .....	1 720 00	
361. Army Ordnance .....	405 957 59	
362. Army Quartermaster Corps.....	27 269 54	
363. Army Signal Corps.....	3 018 621 73	
364. Army Surgeon General.....	67 866 48	
365. Atomic Energy Commission.....	2 119 631 21	
366. Bureau of Public Roads.....	29 724 09	
367. Defense Atomic Support Agency.....	51 115 38	
368. Department of Agriculture.....	128 466 32	
369. Engineering Center .....	22 529 69	
370. Fifth Army .....	1 631 64	
371. National Academy of Sciences.....	4 846 24	
372. National Aeronautics and Space Administration.....	284 634 00	
373. National Bureau of Standards.....	622 00	
374. National Defense Education Act.....	15 068 26	
375. National Science Foundation.....	1 605 548 62	
376. Navy Bureau of Ships.....	689 229 40	
377. Navy Bureau of Yards and Docks.....	10 000 00	
378. Office of Education.....	692 045 13	
379. Office of Civil Defense.....	22 613 37	
380. Office of Naval Research.....	1 977 889 04	
381. Office of Vocational Rehabilitation.....	51 490 17	
382. Public Health Service.....	2 805 687 44	
383. Small Business Administration.....	24 100 00	
384. Tennessee Valley Authority.....	917 02 <sup>1</sup>	
<i>Total, United States Government Grants and Research Contracts.....</i>		<i>\$16 970 323 53</i>

<sup>1</sup> Deduct, refund of unused funds.

*Research and Public Service Contracts with State of Illinois Agencies*

385. Cities and Villages Municipal Problems Commission.....	\$ 2 500 00
386. State Department of Agriculture.....	60 896 17
387. State Department of Conservation.....	80 307 22
388. State Department of Mental Health.....	25 751 55
389. State Department of Public Safety.....	71 968 34
390. State Department of Public Works and Buildings, Division of Highways .....	351 127 74
391. State Department of Registration and Education.....	13 295 00
392. State Division of Vocational Rehabilitation.....	29 412 00
393. State Housing Board.....	450 00
394. State Library.....	26 250 00
395. State Public Aid Commission.....	13 000 00
396. State Superintendent of Public Instruction.....	11 939 29

*Total, Research and Public Service Contracts*

*with State of Illinois Agencies.....* \$ 686 897 31

*Miscellaneous Gifts of Equipment and Works of Art*

397. Anonymous donor: to the Institute of Aviation a DC-3, N 28 U aircraft, including electronic equipment; estimated value.....	\$ 125 000 00
398. Professor Arthur Bestor, University of Washington, Seattle; to the University Library, his personal and professional papers.....	
399. Class of 1911: a bronze portrait (bust) of President Emeritus Lloyd Morey; estimated value.....	2 000 00
400. Collins Radio Company, Cedar Rapids, Iowa: to the De- partment of Electrical Engineering, a five-kilowatt broad- cast transmitter; estimated value.....	2 000 00
401. Dow Chemical Company, Midland, Michigan: to various departments, 133 cases of "Saran Wrap," a plastic wrapping material.....	
402. Endevco Corporation, Pasadena, California: to the De- partment of Mechanical and Industrial Engineering, two accelerometers with cable assembly and tube; estimated value.....	1 012 60
403. Esso Research and Engineering Company, Linden, New Jer- sey: to the Department of Mechanical and Industrial Engi- neering, an Adiabatic compression machine; estimated value.....	30 000 00
404. General Electric Company, Schenectady, New York: to the Chemistry Library, the collected works of Irving Langmuir with contributions in memoriam.....	
405. General Motors Corporation, Buick Motor Division: to the Department of Mechanical and Industrial Engineering, a 1962 Buick V-6 engine; estimated value.....	750 00
406. General Motors Corporation, Detroit, Michigan: to the Institute of Aviation, an eight-passenger Lockheed Lodestar executive-equipped aircraft; estimated value.....	50 000 00
407. A. O. Smith Harvestore Products, Inc., Kankakee: to the Department of Animal Science, three silos plus accessory equipment; estimated value.....	18 589 00
408. Henderson Manufacturing Company, Fisher: to the De- partment of Horticulture, one 18T Henderson thin-cut ma- chine (lawn mower); estimated value.....	125 00
409. Dr. David D. Henry, Urbana, to the Speech and Hearing Clinic, a Maico hearing aid, and to the Physical Plant De- partment, a screen house.....	
410. Illinois and Midwest Lawn Company: to the Department of Plant Pathology, a Jacobsen mower; estimated value.....	425 00

411. Illinois Farm Supply Company, Bloomington: to the Department of Agricultural Engineering, a Model 200 high moisture roller mill complete with three-horsepower motor; estimated value .....	500 00
412. Lincoln Memorial University Press, Harrogate, Tennessee: to the Illini Union Lending Library, a print of Abraham Lincoln.	
413. Packard Instrument Company, Inc., La Grange: to the Departments of Botany, Chemistry and Chemical Engineering, and Microbiology, parts to modernize and update four Model 314A Packard spectrophotometers; estimated value.....	4 000 00
414. Paul Grady, Partner in Price Waterhouse and Company, New York, New York: to the University Library, reports of the Hoover Commissions and a collection of books about President Herbert Hoover (approximately fifty volumes).	
415. Roberts and Schaefer Company, Chicago: to the Department of Mining, Metallurgy, and Petroleum Engineering, the Dutch State Mines Heavy Medium Cyclone display equipment used at the May 1961 American Mining Congress Coal Show; estimated value.....	1 000 00
416. Miss Betsy Ross, Urbana: a State flag (this flag was in the home of Miss Ross' late uncle, President Arthur Cutts Willard, and was a personal gift from Governor Henry Horner to President Willard).	
417. Leon Short and Son, Keokuk, Iowa: to the College of Agriculture, one Jacobsen Greensmower 22 inches; estimated value.....	200 00
418. Estate of the late Isabelle Smith: a Noah Webster Grammar, 1807, bequeathed to the University in memory of Isabelle Smith's grandfather, Mr. Larkin B. Smith, a deceased resident of Illinois.	
419. Union Carbide Corporation, New York, New York: To the Department of Civil Engineering, miscellaneous equipment; estimated value.....	2 814 20
To the Department of Mining, Metallurgy, and Petroleum Engineering, scientific equipment; estimated value.....	3 375 00
420. WTVP, Decatur: to the Department of Broadcasting, an iconoscope and a monoscope.	
421. Dr. Herbert S. Zim, Tavernier, Florida: to the Museum of Natural History, a collection of archaeological specimens; estimated value .....	2 662 00
Gifts to the Krannert Art Museum.....	97 156 00
422. Mr. Leonard Bocour, Artists Colors Inc., New York, New York: an oil on masonite, "Torah," by Jonah Kinigstein; estimated value .....	1 000 00
423. Mr. Phillip Bruno, Staempfli Gallery, New York, New York: Water color, "Study for Sculpture," by Sidney Gordin; estimated value.....	100 00
Wax pastel, "Sleeping Warrior," by Mirko (Basaldella); estimated value.....	250 00
Painting, "Still Life," by Giuseppe Napoli; estimated value .....	500 00
Gouache, "The Cellists," by Bernard Reder; estimated value .....	250 00
Water color, "Composition," by Ralph Rosenborg; estimated value .....	400 00
Oil on paper, "Landscape," by Ralph Rosenborg; estimated value .....	400 00
424. Miss Juliette Dean, Manteno, Illinois: four drawings, pencil on paper, untitled; estimated value.....	200 00
425. Ford Foundation, New York, New York: a painting, "Standing Nude Female," by Raphael Soyer; estimated value.....	5 000 00

426.	Mr. George J. Goldstein, Chicago: a painting, "Portrait of a Gentleman," by Gerard Honthorst; estimated value	4 700 00
427.	Mr. W. B. Greene, Barber-Greene Company, Aurora: a bronze study for <i>Penelope</i> , by Antoine Boudelle; estimated value	2 250 00
428.	Dr. Karl A. Meyer, Chicago, prints and lithographs; estimated value	4 506 00
429.	Mr. Morrie A. Moss, Memphis, Tennessee, paintings: "Portrait of Thomas Cobb," by John Hoppner; estimated value	13 500 00
	"Portrait of Lady Frances Douglas"; estimated value	15 000 00
	"Love or Money," by Cornelis van Haarlen; estimated value	12 000 00
	"Holy Family," by Frans Floris; estimated value	12 000 00
	"Seascape," by Aelbert Cuyp; estimated value	18 000 00
430.	National Academy of Design, New York, New York: Painting, "Valley in New England," by W. S. Haseltine; estimated value	250 00
	Water color, "Sorrento," by K. Cox; estimated value	150 00
431.	Mrs. Helen Norcross, Provincetown, Massachusetts: a painting, "Conversation Piece," by Victor Candell; estimated value	800 00
432.	Miss Collete Roberts, Grand Central Moderns Gallery, New York, New York: a painting, "Cathedral in the Woods," by Jennette Lam; estimated value	700 00
433.	Mr. Herman Spertus, Glencoe, a painting by Albert Bloch; estimated value	4 000 00
434.	Allen Tucker Memorial, a painting, "Incoming Fog," by Allen Tucker; estimated value	1 200 00
<i>Total, Miscellaneous Gifts of Equipment and Works of Art</i>		\$ 341 608 80
<i>Total, Colleges and Schools at Urbana-Champaign</i>		\$22 554 902 12

#### Colleges at the Medical Center

##### *Scholarships, Prizes, and Other Financial Aids*

435.	American Foundation for Pharmaceutical Education: two scholarships in pharmacy	\$ 400 00
436.	Avalon Foundation: scholarships in medicine	26 000 00
437.	Miss Bertha Berkelhamer, Chicago: annual Dr. Ralph C. Berkelhamer Scholarship	100 00
438.	Warren H. Cole Society: scholarship for a freshman student in medicine	500 00
439.	Ford Hopkins Drug Company: scholarship in pharmacy	200 00
440.	Goldenrod Ice Cream Company, Chicago: two scholarships in pharmacy	400 00
441.	Humiston-Keeling and Company, Chicago: two scholarships in pharmacy	400 00
442.	Illinois Federation of Women's Clubs, Chicago: scholarships in occupational therapy	600 00
443.	Lag Drug Company: scholarship in pharmacy	300 00
444.	Estate of the late Dr. David Mortimer Olkon, an alumnus and former member of the faculty of the College of Medicine: endowment of annual scholarships to outstanding senior medical students in neurology and psychiatry (this bequest was reported to the Board of Trustees on March 17, 1962)	6 000 00
445.	Osco Drug Company, Inc.: scholarships in pharmacy	800 00
446.	Photo Service, Inc., Des Plaines: two scholarships in pharmacy (\$300 each)	600 00

447. Sargent's Drug Stores: scholarship in pharmacy.....	200 00
448. Stineway Drug Company: scholarship in pharmacy.....	200 00
449. Julius M. Thomas, Weber Pharmacy, Chicago: to renew the J. M. and E. M. Thomas Scholarship in pharmacy.....	266 67
450. Women's Auxiliary at the Medical Center: scholarships in dentistry, medicine, nursing, and pharmacy.....	1 000 00
451. Woman's Organization of the Chicago Retail Druggists' Association: scholarship in pharmacy.....	250 00
452. Block Drug Company, Jersey City, New Jersey: an award in an essay competition for seniors in dentistry.....	200 00
453. Midwest Oral Rehabilitation Study Group, Chicago: an award to a graduating student who is outstanding in a particular phase of clinical dentistry.....	25 00
454. Dr. Stanley D. Tylman, Professor Emeritus, College of Dentistry: annual \$100 awards to dental students.....	1 000 00
455. Dr. Edward C. Wach, Associate Professor Emeritus, College of Dentistry: to establish an endowment fund, the income to provide cash prizes to fourth-year students in dentistry who are successful in a thesis competition.....	3 000 00
456. Various donors: to purchase furnishings for a student lounge in the East Dentistry-Medicine-Pharmacy Building.. College of Pharmacy Student Council.....\$ 500 00 College of Pharmacy Class of 1959..... 100 00 College of Pharmacy Class of 1961..... 43 53	643 53
457. American Dental Association: loans for dental students....	3 433 50
458. Merck Company Foundation, Rahway, New Jersey: the George W. Merck Memorial Loan Fund to provide loans for interns and residents in medicine.....	4 000 00
459. Women's Auxiliary at the Medical Center: long-term student loans .....	2 000 00
<i>Total, Scholarships, Prizes, and Other Financial Aids..\$</i>	<i>52 518 70</i>

*Funds for Fellowships and Research*

460. Evanston Drama Club: fellowships in orthopaedic surgery.....\$	1 000 00
461. Samuel Higby Camp Foundation: visiting professorship in orthopaedic surgery .....	1 000 00
462. National Hemophilia Foundation: summer fellowships.....	600 00
	(2 600 00)
463. Abbott Laboratories, North Chicago.....	10 500 00
To the Department of Chemistry, College of Pharmacy, for research.....\$ 500 00	
To the Department of Pediatrics for a study of the isolation and chemical identification of platelet stimulating factor .....	3 500 00
To the Department of Surgery to test various protein fractions of sheep and bovine serum for effect on tumor growth.....	4 000 00
To the Department of Dermatology for a study to determine the antipruritic value of homochlorcyclizine.....	500 00
To the Department of Pharmacology, College of Medicine, for a study on preparation of antibodies for production of passive immunity and to test various protein fractions of sheep and bovine serum for effect on tumor growth.....	2 000 00
464. American Academy of Pediatrics, Evanston: to the Department of Pediatrics for a study of the isolation and purification of plasma factors involved in stimulation and inhibition of thrombopoiesis.....	3 725 00
465. American Association of Anatomists: an endowment fund, the income to be used for a seminar in anatomy.....	1 220 68

466. American Cancer Society, Inc., New York, New York: to the College of Medicine.....	156 636 55
Department of Biological Chemistry for a study of the separation of enzymes from normal and pathological serum using cellulose ion exchangers .....	\$22 821 00
Department of Biological Chemistry for a study of the specificity of glycolytic pathway enzymes..	18 421 00
Department of Obstetrics and Gynecology for a study of the experimental dysplasia of the uterine cervix.....	7 757 00
Department of Pathology for a study of the immunity of mice of inbred strains to isologous tumors induced by F <sub>1</sub> tumors.....	11 972 00
Department of Pathology for a study of phagocytosis of herologous red cells in mice and rats with transplanted tumors.....	5 690 00
Department of Physiology for a study of the permeability of mitochondria.....	10 753 05
Department of Radiology for a study of temperature and oxygen effects on irradiated animals....	13 949 50
Department of Surgery for a study of the effect of radio-frequency energy in the resistance of animals to cancer.....	14 134 00
Department of Surgery for an investigation of cellular damage observed in human tumors treated in tissue culture with anticancer compounds.....	25 139 00
Department of Surgery for research (unrestricted) .....	26 000 00
467. American Cyanamid Company, Lederle Laboratories Division, Pearl River, New York: to the Department of Medicine (\$9,400) and to the Department of Preventive Medicine (\$600) for an investigation of infectious diseases and related fields.....	10 000 00
468. American Dental Association: to the Department of Applied Materia Medica and Therapeutics for a study on local anesthesia .....	1 000 00
469. American Heart Association: to the College of Medicine... Department of Medicine for investigations on the kidney in health and disease.....	\$1 000 00
Office of Research in Medical Education.....	3 500 00
470. American Medical Association Education Research Foundation: to the College of Medicine for research.....	54 478 28
471. American Rheumatism Association Committee on Cooperative Clinics, New York University: to the Department of Medicine for a variability study.....	1 700 00
472. Arthritis and Rheumatism Foundation: to the College of Medicine.....	1 345 00
Department of Medicine for a study of the effect of different environmental conditions and pharmacologic agents on the vascular responses in the digits in rheumatoid arthritis.....	\$1 095 00
Department of Pediatrics for a study of gout in infancy.....	250 00
473. Asthmatic Children's Aid, Chicago: to the Department of Medicine for studies of factors which influence the development of bronchial asthma.....	13 400 00
474. Chicago Dysautonomia Society, Inc., Chicago: to the Department of Pharmacognosy and Pharmacology, College of Pharmacy, for a study on acetylcholine metabolism and dysautonomia.....	1 106 00

475. Chicago Heart Association: to the College of Medicine....	21 852 84
Department of Medicine for a study of hepatic and myocardial factors in the production of digitalis toxicity .....	\$6 759 00
Department of Pediatrics for studies on the coagulation mechanism in extra-corporeal circulation....	2 883 84
Department of Preventive Medicine for a study of the biochemical, medical, and psychological parameters of the acute pressor response in hypertensive subjects .....	6 622 00
Department of Surgery for a study of the dacron outflow tract for right ventricle.....	5 588 00
476. Children's Research Foundation, Chicago: to the Department of Psychiatry for research in Tay-Sachs disease.....	600 00
477. Clairol Incorporated Research Laboratories: to the Department of Dermatology for a study of time-concentration relationship in eczematous allergic reactions.....	3 500 00
478. Deerfield Area United Fund, Inc., Deerfield: to the Department of Surgery to add to the Deerfield-Bannockburn Fund for cancer research.....	928 95
479. Dr. Ward H. Eastman, Peoria: to the Department of Surgery for the Ward Eastman and James Hurlbut Gift Fund for cancer research.....	100 00
480. Eureka United Fund: to the Department of Surgery for cardiovascular research .....	500 00
481. Employees of the Federal Reserve Bank of Chicago: to the Department of Preventive Medicine for research related to polio care.....	1 000 00
482. Marlin D. Fisher, Stronghurst: to the Department of Surgery for the Clarence Hartquist Cancer Research Fund....	403 00
483. Geigy Pharmaceuticals, Yonkers, New York: to the Department of Medicine for research on the treatment of hypertension.....	3 000 00
484. Illinois Federation of Women's Clubs, Chicago: to the Department of Surgery for cancer research.....	1 000 00
485. Ivy Cancer Research Foundation, Chicago: for cancer research.....	7 005 00
486. Jeanette M. Johnson, Fort Lauderdale, Florida: to the Department of Surgery for the Clarence Hartquist Cancer Research Fund .....	10 00
487. Kidney Disease Foundation of Illinois, Chicago: to the Department of Medicine for a study of renal lesions induced by heterologous insulin; an example of foreign protein nephritis.....	3 750 00
488. Leukemia Research Foundation: to the College of Medicine Department of Biological Chemistry for a study of the biosynthesis of plasma glycoproteins.....	13 500 00
Department of Pediatrics for a study on platelet stimulating factor in leukemia.....	\$8 000 00
489. Leukemia Society, Inc.: to the Department of Pediatrics for a study on the effect of human platelet stimulating factor in marrows aplasia .....	5 500 00
490. Mrs. Polly Levee, Philadelphia, Pennsylvania: to the Department of Surgery for cancer research.....	2 840 00
491. Nathan Manilow Foundation, Chicago: to the Department of Otolaryngology, College of Medicine, for research.....	2 500 00
492. Markle Foundation: to the Department of Psychiatry for research.....	15 000 00
493. Dr. George Matula, Chicago: to the Department of Biochemistry, College of Medicine, for an endowment fund, income to be used for research in oral biochemistry.....	6 000 00
494. Mead Johnson and Company: to the Department of Pediatrics for a study of prophylaxis of anemia of prematurity..	11 776 00
	6 000 00

495. Merck, Sharp, and Dohme Research Laboratories, West Point, Pennsylvania: to the College of Medicine.....	10 000 00
Department of Medicine for a study of expansion and completion of studies on "Decadron" inhalation aerosols .....	\$5 000 00
Department of Preventive Medicine for a study of the effect of therapeutic agents on some perceptual and psychometric tests in man.....	5 000 00
496. National Association for Mental Health, New York, New York: to the Department of Psychiatry.....	9 500 00
For a study of the synthesis and breakdown of proteins, nucleic acids, etc., in neurons and glia in culture .....	\$5 000 00
For research in schizophrenia.....	4 500 00
497. The National Foundation: to the Department of Preventive Medicine for the Respiratory Center.....	35 000 00
498. National Fund for Medical Education: to the College of Medicine for research.....	4 590 00
499. George S. Oberne, Chicago: to the Department of Surgery for the Alva M. Oberne Cancer Research Fund.....	50 00
500. Pfizer Laboratories: to the Department of Anatomy for a study of experimental acute pancreatitis.....	700 00
501. Prospect Heights' Annual Appeal: to the Department of Surgery for cancer research.....	1 443 74
502. Riker Laboratories: to the Department of Neurology and Neurological Surgery for a study of anticonvulsant properties in drugs.....	4 600 00
503. Roanoke Area United Funds Appeal, Roanoke: to the Department of Surgery for cancer research (\$466.99) and for heart research (\$280.19).....	747 18
504. Ross Laboratories, Columbus, Ohio: to the Department of Pediatrics for a study of hematopoiesis in early infancy.....	10 000 00
505. Sandoz Pharmaceuticals, Hanover, New Jersey: to the College of Medicine.....	22 500 00
Department of Medicine for a study of chemical mediators.....	\$ 2 500 00
Department of Preventive Medicine for a study of hypertension and headache mechanisms.....	10 000 00
Department of Preventive Medicine for a study of newer methods of evaluating analgesic agents in man .....	10 000 00
506. Schering Corporation: to the Department of Medicine for research.....	5 000 00
507. G. D. Searle and Company, Chicago: to the Department of Medicine for a study of the treatment of hypertension with diuretics and aldactone.....	3 000 00
508. Smith, Kline, and French Laboratories, Philadelphia, Pennsylvania: to the Department of Medicine for research on antiviral chemotherapy .....	14 818 60
509. E. R. Squibb and Company: to the Department of Medicine for a clinical study of anti-hypertensive drugs.....	1 000 00
510. Teagle Foundation, Inc., New York, New York: to the Department of Psychiatry for paralysis agitans research....	8 000 00
511. Tuberculosis Institute of Chicago and Cook County: to the Department of Microbiology for a laboratory investigation into the possible synergistic relation between penicillin and isoniazid against the tubercle bacillus.....	2 300 00
512. University of Chicago: to the Department of Medical Social Service for research.....	8 681 15
513. Various donors: to the Department of Fixed Partial Prosthodontics, College of Dentistry, for the Mary Lloyd Somatic Prosthesis Fund.....	175 00



514. Various donors: to the Department of Preventive Medicine to the Arthur S. Littlefield Memorial Fund for pulmonary studies .....	99 00
515. Various donors: to the Department of Surgery for the Bristow Cancer Research Fund in memory of the late Chief Justice George W. Bristow of the Supreme Court of Illinois .....	1 448 00
516. Warner-Lambert Pharmaceutical Company: to the Department of Preventive Medicine for a study of the treatment of diarrhea .....	10 510 00
	(515 039 97)
<i>Total, Funds for Fellowships and Research.....</i>	<i>\$ 517 639 97</i>

*Funds for Educational and Research Programs*

517. American Cancer Society, Illinois Division: to the Tumor Clinic Cancer Registry for clerical salaries and office supplies .....	\$ 5 000 00
518. Chicago Dental Assistants Association, Evanston: an unrestricted gift to the College of Dentistry.....	25 00
519. The Commonwealth Fund, New York, New York: to the College of Medicine for a study and evaluation of medical education.....	64 000 00
520. Fund for Dental Education, Chicago: to the Department of Pedodontics, College of Dentistry, for the publication of proceedings of the conference on the teaching of manual skills.....	1 500 00
521. W. K. Kellogg Foundation, Battle Creek, Michigan: for the teacher education program in the College of Dentistry..	35 091 00
522. Mead Johnson and Company: to establish a Pediatric Residents' Education Fund.....	500 00
523. National Fund for Medical Education: to the College of Medicine for instructional grants.....	62 755 00
524. Dr. Anthony J. J. Rourke: to the College of Medicine for its educational program.....	100 00
525. Various donors: to the Division of Services for Crippled Children .....	51 992 04
526. Various donors: to the Department of Dermatology..... Mr. Alvin K. Anderson, Chicago Dr. Carl Herzog, Duke Laboratories, Inc., South Norwalk, Connecticut	550 00
527. Various donors: to the Department of Medicine..... Snoot Boot Enterprises, Busey Hall, Urbana Campus Delavan Community Chest, Delavan Princeville Community Council Fund Drive Charles Kulosky, Chicago, in memory of Martin Kulosky In memory of Landon B. Stableford	1 969 08
528. Various donors: to the Department of Neurology and Neurological Surgery .....	40 00
Mr. and Mrs. L. F. Annable, Western Springs, in memory of Mr. Samuel Soll Marilyn and Jacques Beardsley, Chicago; Paul F. Bovyn, Glenview; and Lily and Roy Campbell, Ontario, Canada; in memory of Ronald Johns	
529. Various donors: to the Department of Occupational Therapy Dames Club First Congregational Church, Oak Park Hinsdale Sewing Group Mrs. Virginia Meehan, Country Club Hills National Doll Collector's Club, Chicago Rogers Park Woman's Club, Chicago Women's Auxiliary at the Medical Center	500 38

530.	Various donors: to the Department of Orthodontics, College of Dentistry, for the "Special Alumni Fund".....	1 600 00
	Dr. M. P. Breidt, Patterson, New Jersey	
	Dr. Silas J. Kloehn, Appleton, Wisconsin	
	Dr. John S. Kloehn, Appleton, Wisconsin	
	Dr. Arthur B. Lewis, Dayton, Ohio	
	University of Illinois Dental Alumni Society of Ohio	
	Dr. Joseph J. Schachter, Saskatoon, Saskatchewan, Canada	
	Dr. Henry A. Sturman, Hartford, Connecticut	
531.	Various donors: to the Department of Orthopaedic Surgery	1 912 14
	American Limb and Orthopedic Company, Chicago	
	Representative George W. Dunne, Chicago	
	Kappa Alpha Theta Sorority, Evanston	
	New York University	
	Mr. and Mrs. Richard P. Thornton, Glen Ellyn	
	Women of the Rotary Club, Chicago	
532.	Various donors: to the Department of Otolaryngology.....	2 180 00
	Mrs. Gerald Abramovitz, Chicago	
	Beltone Institute for Hearing Research	
	Dr. E. L. Chainski, Lake Forest	
	Dr. F. L. Lederer and Mrs. Lederer	
	Mrs. H. Meilleur, Lansing	
	Mrs. Harry Sager, Highland Park	
	Mrs. Wendel A. Witkay	
533.	Various donors: to the Department of Pediatrics.....	801 00
	Mr. and Mrs. Donald Brown, Mundelein	
	Mr. Lawrence J. Droghetti, Chicago	
	Gould National Batteries, Kankakee	
	Hearth and Garden Club, Austin Woman's Club	
	LaSalle Steel Foundation, Inc., Chicago	
	Mrs. Jac C. Ridinger, in memory of Johnny Kniskern	
	Mrs. C. C. Sberna, Mundelein	
	Various donors, in memory of Scott Lindeman	
	Mr. and Mrs. M. R. Whitaker, Mundelein	
	Mr. and Mrs. Melvin Young, Kankakee	
534.	Various donors: to the Department of Surgery.....	1 584 75
	Aid United Givers	
	Harold C. Alford, Lockport	
	Mr. and Mrs. L. F. Annable	
	Mr. and Mrs. Wayne Bernhardt	
	Harold Cohn, Alfred Lloyd Corporation, in memory of Mrs. Sally Wolin	
	William DeFotis, Chicago	
	Mr. and Mrs. Sydney Galvin, Shaker Heights, Ohio, in memory of Ira Pink	
	Dr. Claude L. Geyer	
	Mr. and Mrs. Russell Gleasons, Chicago	
	Mrs. Rose Glick, in memory of Mrs. Sally Wolin	
	Emery E. Klineman, New Jersey, in memory of Ira Pink	
	Montgomery Ward and Company, Chicago	
	Dr. R. G. Mrazek, Berwyn	
	Gilbert P. O'Connor, Oak Park	
	Herbert Pallat, Chicago	
	Mr. and Mrs. Peterson, Maywood	
	Mr. and Mrs. V. A. Sondergaard, Dwight	
	Dr. William Requarth, Decatur	
	Mrs. Michael Slepkin, Chicago	
	Kermit A. Slobb, American Broadcasting Company, Chicago, in memory of Byron Speirs	
	Various donors, in memory of April Legette	
535.	Watson Gailey Eye Foundation, Bloomington; to the Department of Ophthalmology, for a resident-training program	1 000 00
	<i>Total, Funds for Educational and Research Programs. . \$</i>	<i>233 100 39</i>

*Federal Grants for Buildings and Other Facilities*

536. Public Health Service: for Medical Research Laboratory..\$ 37 500 00

*United States Government Grants and Research Contracts*

537. Air Force .....\$ 2 054 12  
 538. Agency for International Development..... 19 743 79  
 539. Army Chemical Corps..... 40 085 00  
 540. Army Surgeon General..... 138 384 44  
 541. Atomic Energy Commission..... 6 750 00  
 542. National Science Foundation..... 46 311 44  
 543. Office of Naval Research..... 28 158 17  
 544. Office of Vocational Rehabilitation..... 6 748 18  
 545. Public Health Service..... 2 676 095 22

*Total, Funds for Educational and Research Programs..\$ 2 964 330 36*

*Research and Public Service Contracts with State of Illinois Agencies*

546. State Department of Mental Health.....\$ 126 895 73  
     Psychosomatic differentiation in infancy.....\$53 607 90  
     Relation of neural metabolism to function..... 22 273 28  
     Psychological factors in psychosomatic disease of  
     children..... 2 036 68  
     Tissue culture of neurons..... 44 946 90  
     The role of the proteins of the brain in normal  
     and abnormal brain function..... 4 030 97

*Total, Research and Public Service Contracts with  
 State of Illinois Agencies.....\$ 126 895 73*

*Gifts of Equipment and Library Materials*

547. McArdle, Harrington, & McLaughlin, Pittsburgh, Pennsylv-  
 ania: a six-volume edition titled "Brief for the Appellant  
 in the United States Court of Appeals for the Third Circuit  
 No. 13267, Fritchard, Otto E., versus Liggett and Myers  
 Tobacco Company"; estimated value..... 250 00  
 548. Dr. N. B. Roberg: to the Department of Medicine, an air  
 conditioner; estimated value..... 271 00  
 549. Mrs. Ida Mae Schroeder, Chicago:  
     To the Department of Orthopedics, a Hoyer lifter; estimated  
     value..... 150 00  
     To the Department of Physical Medicine and Rehabilitation,  
     an American electric wheelchair with Blitz battery charger;  
     estimated value ..... 500 00  
 550. Royal Metal Furniture Company; to the Business Office,  
 two chairs; estimated value..... 36 00

*Total, Gifts of Equipment and Library Materials.....\$ 1 207 00*

*Total, Colleges at the Medical Center.....\$ 3 933 192 15*

*Chicago Undergraduate Division*

551. Foundry Educational Foundation, Cleveland, Ohio.....\$ 2 150 00  
     Scholarships in engineering.....\$1 400 00  
     Unrestricted grant in engineering..... 750 00  
 552. Professor O. L. Railsback, an endowment fund of scholar-  
 ships in physics..... 1 000 00  
 553. National Science Foundation..... 3 059 53  
 Gifts to the Illini Union:  
 554. Anonymous donor, one Hi-Fi Motorola..... 738 60  
 555. Mr. Titus Haffa, Chicago, a Webcor stereo AM-FM radio-  
 phonograph ..... 400 00  
 556. Vice-President Norman A. Parker, Chicago: one portable  
 color television set, with antenna..... 700 00

*Total, Chicago Undergraduate Division.....\$ 8 048 13*

*Gifts to the University of Illinois Foundation*

557. Envelope Fund Projects (formerly Illini Achievement  
 Fund).....\$ 184 723 07

558. Other Gifts for Current Purposes.....	95 734 77
559. Endowment Funds .....	94 836 65
560. Funds for Physical Plant Purposes.....	177 525 51
<i>Total, Gifts to the University of Illinois Foundation....</i>	<i>\$ 552 820 00</i>

#### Summary

##### Funds from Private Donors

To the University	
For Urbana-Champaign .....	\$ 3 972 889 28
For Chicago Colleges and Divisions.....	809 454 66
	(4 782 343 94)
To the University of Illinois Foundation.....	552 820 00
<i>Total .....</i>	<i>\$ 5 335 163 94</i>

##### Funds from United States Government

Total for Urbana-Champaign (including \$250,000 from National Defense Education Act for student loan programs for all campuses).....	\$17 895 115 53
Total for Chicago Colleges and Divisions.....	3 004 889 89
<i>Total .....</i>	<i>\$20 900 005 42</i>

##### Funds from Contracts with State of Illinois Agencies

Total for Urbana-Champaign.....	\$ 686 897 31
Total for Chicago Colleges and Divisions.....	126 895 73
<i>Total .....</i>	<i>\$ 813 793 04</i>
<i>Grand Total .....</i>	<i>\$27 048 962 40</i>

This report was received for record.

#### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations, cancellations, declinations, and terminations; leaves of absence; changes in sabbatical leaves of absence.

##### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

- AARONSON, DONALD W., Clinical Assistant in Medicine (Medicine), eleven months from October 1, 1962, without salary (11-16-62).
- ABBOTT, BERNARD C., Professor of Physiology and Biophysics, indefinite tenure from September 1, 1962, to render service during each academic year, \$15,000 a year, supersedes (11-12-62).
- ADAMS, JAMES M., Assistant in the Institute of Aviation (Flight), October 22, 1962-June 15, 1963, \$450 a month (10-26-62).
- ANDERSON, ERNEST G., Visiting Professor of Genetics (Agronomy) (S), ½ time, one month from September 1, 1962, \$500 (10-31-62).
- ARCHIBALD, KATHLEEN, Research Associate in the Institute of Communications Research, ½ time, six months from October 1, 1962, \$2,000 (10-31-62).
- ARIAS, BELISARIO A., Assistant in Neurology and Neurological Surgery (Medicine), one year from July 1, 1962, without salary (11-8-62).
- AUKES, LEWIS E., Research Assistant in the Office of Instructional Research (Provost's Office), one year from September 1, 1962, \$7,500 (10-30-62).
- BAKER, MARJORIE G., Assistant in Nursing, eleven months from October 1, 1962, \$6,000 a year (10-23-62).
- BARTEL, DONALD L., Assistant in General Engineering (C), February 1-June 15, 1963, \$2,050 (11-20-62).
- BASS, ALAN R., Research Associate in Psychology, ½ time, September 16, 1962-January 31, 1963, \$300 a month (10-23-62).
- BATEMAN, PAUL T., Professor of Mathematics and Associate Head of the Department, indefinite tenure from October 1, 1962, to render service during each academic year, \$16,000 a year, supersedes (11-15-62).

- BEDFORD, NORTON M., Professor of Accountancy, indefinite tenure from September 1, 1962, to render service during each academic year, \$17,000 a year, supersedes (10-29-62).
- BENNETT, MRS. SARA A., Research Assistant in the Coordinated Science Laboratory (C), seven months from February 1, 1963, \$500 a month (12-5-62).
- BERCHTOLD, MAX, Research Associate in Dairy Science (S), October 18, 1962-August 31, 1963, \$6,600 a year (11-8-62).
- BERESKIN, BEN, Research Associate in Dairy Science (S), October 16, 1962-August 31, 1963, \$6,850 a year (11-8-62).
- BLEVINS, MRS. MARCIA J., Reference Assistant in the Library, nine months from December 1, 1962, \$5,500 a year, supersedes (11-16-62).
- BOGDONOFF, DIANA R., Assistant in Dermatology (Medicine), one year from July 1, 1962, without salary (11-12-62).
- BOROWITZ, GENE H., Instructor in Psychiatry (Medicine), eleven months from October 1, 1962, \$13,000 a year, supersedes (10-24-62).
- BOXER, ROBERT W., Clinical Instructor in Medicine (Medicine), ten months from November 1, 1962, without salary (11-27-62).
- BOYCE, RONALD R., Assistant Professor in the Bureau of Community Planning (College of Fine and Applied Arts),  $\frac{3}{4}$  time, and of Geography (College of Liberal Arts and Sciences),  $\frac{1}{4}$  time, one year from September 1, 1962, \$9,800, supersedes (11-13-62).
- BRUSEMER, RONALD W., Instructor in Biochemistry, academic year beginning September 1, 1962, \$7,000 (10-23-62).
- BUTLER, MRS. BARBARA D., Research Assistant in Physiology and Biophysics, November 1, 1962-June 15, 1963, \$450 a month, supersedes nonacademic appointment (11-8-62).
- BUTLER, (MR.) BEVERLY J., Assistant Professor of Agricultural Engineering (C and S), November 16, 1962-August 31, 1963, \$9,900 a year, supersedes (11-28-62).
- BUZDYGAN, DANUTA U., Instructor in Pediatrics (Medicine) and in Cleft Palate Center (Dentistry), 72/100 time, one year from September 1, 1962, \$5,200, supersedes (10-23-62).
- CARLSTON, JOHN A., Clinical Instructor in Medicine (Medicine), one year from September 1, 1962, without salary (11-16-62).
- CARSON, RALPH S., Research Associate in Electrical Engineering (S), nine months from December 1, 1962, \$6,500 a year, supersedes (11-30-62).
- CICENAS, ZINNIA, Assistant Chief Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), October 22, 1962-August 31, 1963, \$8,000 a year (10-31-62).
- CIZOWSKI, RAYMOND, Registered Pharmacist in Manufacturing Pharmacy (Pharmacy), nine months from December 1, 1962, \$7,000 a year, supersedes (11-15-62).
- CRANK, FLOYD L., Associate Professor of Education, academic year beginning September 1, 1962, \$8,950; and Associate Professor of Business Education and of Education, indefinite tenure from September 1, 1963, to render service during each academic year, \$8,700 a year, supersedes (11-13-62).
- CRUMLISH, BRIAN J., Research Associate in the Small Homes Council-Building Research Council, two months from October 16, 1962, \$1,000 a month (10-31-62).
- CUTLER, DOUGLAS, Research Associate in Metallurgy (C), October 25, 1962-August 31, 1963, \$8,000 a year, supersedes (10-31-62).
- DIAMOND, SYDNEY A., Assistant in Dermatology (Medicine), one year from July 1, 1962, without salary (11-8-62).
- DONDANVILLE, LOUIS E., Clinical Instructor in Medicine (Medicine), eleven months from October 1, 1962, without salary (11-16-62).
- DOUGHERTY, NORRIS R., Clinical Instructor in Medicine (Medicine), eleven months from October 1, 1962, without salary (10-23-62).
- DRAKE, DARRELL M., Research Associate in Physics (C), January 16-August 31, 1963, \$8,000 a year (12-5-62).
- DUCKWALL, JAMES W., Research Associate in the Statistical Service Unit (Provost's Office), nine months from December 1, 1962, \$9,000 a year (11-13-62).
- ELMORE, RODNEY D., Research Assistant in Electrical Engineering (S), ten months from November 1, 1962, \$5,200 a year, supersedes (11-16-62).

- ERICHSEN, ALVIN W., Research Associate in Plant Breeding (Agronomy) (S), ten months from November 1, 1962, \$6,500 a year (11-16-62).
- FERNANDEZ, ADOLFO A., Clinical Instructor in Medicine (Medicine), eleven months from October 1, 1962, without salary (11-16-62).
- PETROW, KENNETH O., Clinical Instructor in Orthopaedic Surgery (Medicine), eleven months from October 1, 1962, without salary (10-23-62).
- FISCHER-WYBREGT, SUSANNA H., Research Associate in Pediatrics (Medicine), one year from September 1, 1962, \$6,640 (10-29-62).
- FLENNER, ROSS H., Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1962, \$5,000, supersedes (10-29-62).
- FOGEL, JEROLD S., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), October 29, 1962-August 31, 1963, \$7,500 a year (11-12-62).
- FRAENKEL, GOTTFRIED S., Professor of Entomology and Associate Member of the Center for Advanced Study (College of Liberal Arts and Sciences, Graduate College), one year from September 1, 1962, \$17,700; and from September 1, 1963, indefinite tenure, to render service during each academic year, \$14,500 a year, supersedes (10-24-62).
- FREUND, ERIC C., Research Associate in the Bureau of Community Planning, eleven months from October 1, 1962, \$7,700 a year; on leave of absence, without pay, from October 22, 1962, through December 31, 1962 (11-9-62).
- GARCIA-MOLINER, CARMEN, Research Associate in Microbiology,  $\frac{1}{2}$  time, ten months from November 1, 1962, \$2,438 (11-12-62).
- GOULD, ORRIN E., Assistant Professor of Education,  $\frac{3}{4}$  time, academic year beginning September 1, 1962, \$6,263; on leave of absence,  $\frac{1}{4}$  time, academic year 1962-63, without pay, supersedes (11-13-62).
- GRAY, PETER V., Research Associate in Electrical Engineering (S), eleven months from October 1, 1962, \$8,000 a year, supersedes (11-12-62).
- GREENE, PAUL C., Professor of Psychology, indefinite tenure, and Administrative Assistant in the Office of the Vice-President (Chicago Undergraduate Division), ten months from November 1, 1962, \$14,200 a year, supersedes (12-5-62).
- HALL, MARGOT L., Assistant in Education, September 16, 1962-January 31, 1963, \$2,000 (11-8-62).
- HANSON, MRS. DOLORES M., Assistant Editor in the Office of Public Information,  $\frac{1}{2}$  time, ten months from November 1, 1962, \$3,000 a year (11-9-62).
- HARRIS, MRS. BRIGITA, Research Assistant in Pharmacognosy and Pharmacology (Pharmacy), October 22, 1962-August 31, 1963, \$5,700 a year (11-8-62).
- HENEBRY, WILLIAM F., Assistant in Psychiatry (Medicine), one year from September 1, 1962, without salary (11-20-62).
- HIKI, YOSIO, Research Associate in Physical Metallurgy (C), November 20, 1962-August 31, 1963, \$8,200 a year, supersedes (12-5-62).
- HUBBARD, JOHN L., JR., Assistant in Neurology and Neurological Surgery (Medicine), six months from January 1, 1963, without salary (11-20-62).
- JOHNSON, A. BEAUMONT, II, Clinical Associate in Neurological Surgery (Medicine),  $\frac{1}{4}$  time, one year from September 1, 1962, \$1,800 (11-8-62).
- JOHNSON, OLAF K., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1962, without salary (11-16-62).
- JOHNSTON, SU A. K., Assistant Extension Editor, with rank of Assistant in Agriculture (S and E), ten months from November 1, 1962, \$5,000 a year, supersedes (11-1-62).
- JORDAN, DAVID M., Assistant Professor of Psychiatry (Medicine), one year from September 1, 1962, without salary (12-5-62).
- KAMARA, ALLIEU, Research Assistant in Preventive Medicine (Medicine), September 24, 1962-August 31, 1963, \$5,400 (11-8-62).
- KING, IVAN R., Associate Professor of Astronomy, indefinite tenure from September 1, 1962, \$10,000 a year for services rendered during each academic year; on sabbatical leave of absence from September 1, 1962, through February 28, 1963, on full pay, and from March 1 through August 31, 1963, salary to be paid from National Science Foundation Grant, U.S. NSF G-22005 (46-32-10-354); supersedes (11-8-62).

- KINSTLE, THOMAS H., Research Associate in Chemistry, nine months from December 1, 1962, \$6,500 a year (12-5-62).
- KIRK, EDWARD S., Instructor in Physiology and Biophysics, to render service during the second semester of the academic year, March 1-August 31, 1963, \$3,875 (10-31-62).
- KORN, ROY J., Associate Professor of Medicine, at the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, for two years from November 18, 1962, \$20,000 a year; and Associate Professor of Medicine (Medicine), indefinite tenure from November 18, 1964, without salary, supersedes his nonsalaried appointment (11-16-62).
- KORNACKER, MILDRED, Instructor in Sociology (Chicago Undergraduate Division),  $\frac{3}{4}$  time, academic year beginning September 1, 1962, \$3,867, supersedes (11-13-62).
- KOSMAN, MARY E., Research Associate in Psychiatry (Medicine), ten months from November 1, 1962, \$7,000 a year (11-16-62).
- KOSOVA, LEONARD A., Clinical Assistant in Medicine (Medicine), eleven months from October 1, 1962, without salary (11-16-62).
- KRAUSS, DIETLINDE E., Research Associate in Chemistry, five months from April 1, 1963, \$487.50 a month (12-5-62).
- KYSAR, JOHN E., Instructor in Hygiene and Assistant Director of the Health Service (Chicago Undergraduate Division),  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$7,000, supersedes (10-29-62).
- LAFONT, MRS. FRANCES M., Assistant in Home Economics (C and S), academic year beginning September 1, 1962, \$5,200, supersedes (8-29-62).
- LAVERY, JAMES C., Soil Salinity and Soil Management Specialist in the International Cooperation Programs, November 10, 1962-November 9, 1964, \$9,020 a year for service under Contract ICAC-1453 in Region I, Agra, U.P., India, supersedes (11-6-62).
- LEVINE, MRS. MYRA E., Assistant in Nursing, nine months from September 16, 1962, \$5,500, supersedes (11-8-62).
- LINDERHOLM, CARL E., Instructor in Mathematics, to render service during the second semester of the academic year, March 1-August 31, 1963, \$7,000 a year (11-13-62).
- MAIRINGER, FRANZ, Research Associate in Chemistry,  $\frac{1}{2}$  time, six months from December 1, 1962, \$1,596 (12-5-62).
- MARSHALL, BRUCE E., Research Assistant in Chemistry, November 26, 1962-August 31, 1963, \$6,300 a year (11-13-62).
- MAUTZ, ROBERT K., Professor of Accountancy, indefinite tenure from September 1, 1962, to render service during each academic year, \$17,500 a year, supersedes (10-29-62).
- MEUX, MILTON O., Research Assistant Professor in the Bureau of Educational Research, one year from September 1, 1962, \$10,000, supersedes (11-12-62).
- MILLER, ARNOLD L., Assistant Professor of Psychology,  $\frac{1}{2}$  time, academic year from September 1, 1962, \$2,800, supersedes (11-8-62).
- MILLER, RAYMOND N., Assistant in Psychiatry (Medicine), one year from September 1, 1962, without salary (11-20-62).
- MOFFAT, JEAN E., Research Assistant in Medicine (Medicine), nine months from December 1, 1962, \$4,900 a year (11-20-62).
- MOLNAR, JANOS, Research Associate in Biological Chemistry (Medicine), eight months from January 1, 1963, \$8,000 a year (11-16-62).
- MONIN, MAX, Instructor in Psychiatry (Medicine), eleven months from October 1, 1962, without salary (10-23-62).
- MOODY, BYRON A., Research Assistant in Dairy Science (S), October 15, 1962-August 31, 1963, \$5,000 a year (11-15-62).
- NAKAMURA, KANAME, Research Assistant in Biological Chemistry (Medicine), November 10, 1962-August 31, 1963, \$4,900 a year (11-16-62).
- NEBELSKY, LEO, Research Associate in Teacher Education (Dentistry),  $\frac{1}{4}$  time, ten months from November 1, 1962, \$3,750 a year, supersedes (11-16-62).
- NELSON, PATRICIA A., Program Director, Illini Union (Chicago Undergraduate Division), eight months from January 1, 1963, \$4,800 (12-5-62).
- NIELSEN, JOHN L., Professor of Naval Science and Head of the Department, indefinite tenure from September 1, 1962, without salary, supersedes (11-1-62).

- PAP, LUCIA T. F., Clinical Assistant in Medicine (Medicine), one year from September 1, 1962, without salary (11-16-62).
- PAUL, M., Visiting Research Associate in the Digital Computer Laboratory, two months from February 1, 1963, \$800 a month (10-29-62).
- PETERSON, HELEN C., Research Associate in the Bureau of Economic and Business Research,  $\frac{1}{2}$  time, October 16, 1962-August 31, 1963, \$2,925 a year (10-31-62).
- PICHLER, HANNS, Instructor in the Graduate School of Business Administration (College of Commerce and Business Administration),  $\frac{1}{2}$  time, nine months from October 1, 1962, \$3,000 a year (10-31-62).
- PIEFER, WILLIAM J., Clinical Instructor in Psychiatry (Medicine),  $\frac{1}{4}$  time, one year from September 1, 1962, \$2,100, supersedes nonsalaried appointment (10-23-62).
- PRESTON, ANN, Architecture Library Assistant (Library), ten months from November 1, 1962, \$5,500 a year (10-26-62).
- PSCHORR, HELENE, Registered Pharmacist in Hospital Pharmacy (Pharmacy), eleven months from October 1, 1962, \$7,000 a year (10-31-62).
- RACSTER, RONALD L., Assistant in Finance, nine months from September 16, 1962, \$4,000, supersedes (7-24-62).
- RAO, PILLARISSETTY J., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine),  $\frac{3}{4}$  time, eleven months from October 1, 1962, \$5,000 a year, supersedes (10-23-62).
- RAPPAPORT, BEN Z., Professor of Medicine (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1962, \$7,500, supersedes (11-14-62).
- REED, MRS. BARBARA L., Lecturer in Recreation and Municipal Park Administration (College of Physical Education), to render service during the first semester of the academic year, September 1, 1962-February 28, 1963, without salary; this is in addition to her nonacademic appointment, supersedes (11-26-62).
- RESH, JAMES A., Research Associate in the Coordinated Science Laboratory (C),  $\frac{1}{2}$  time, February 1-June 15, 1963, \$277.77 a month, supersedes (12-5-62).
- RIES, DONALD G., Research Associate in Chemistry, ten months from November 1, 1962, \$5,850 a year (10-31-62).
- ROTH, CYNTHIA M., Assistant in Physical Sciences (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,800 (11-21-62).
- RUOSS, MARJORIE, Assistant in Nursing, nine months from September 16, 1962, \$5,500, supersedes (12-5-62).
- SALOMON, LAWRENCE, Instructor in Art (Chicago Undergraduate Division),  $\frac{1}{4}$  time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, \$875 (11-12-62).
- SANCHEZ, ANTONIA, Instructor in Psychiatry (Medicine), one year from September 1, 1962, without salary (11-27-62).
- SAVITT, ARTHUR E., Clinical Assistant in Medicine (Medicine), one year from September 1, 1962, without salary (10-24-62).
- SCHMITZ, CAROLYN A., Assistant in Nursing, eleven months from October 1, 1962, \$5,500 a year (10-23-62).
- SCHUEMANN, WILFRED C., Research Assistant in the Coordinated Science Laboratory (C), eleven months from October 1, 1962, \$8,000 a year (10-24-62).
- SCHUMACHER, GEBHARD, Research Associate in the Institution for Tuberculosis Research (Medicine), nine months from December 1, 1962, \$625 a month (11-12-62).
- SCOTT, EDWARD J., Associate Professor of Mathematics,  $\frac{3}{4}$  time, \$9,000, and of Agronomy (S),  $\frac{1}{4}$  time, \$1,800, indefinite tenure from September 1, 1962, to render service during each academic year, supersedes (10-24-62).
- SECTER, IRVING, Assistant Professor of Clinical Dentistry (Dentistry),  $\frac{7}{10}$  time, October 8, 1962-August 31, 1963, \$5,950 a year, supersedes (10-24-62).
- SLYTER, LEONARD L., Research Associate in Dairy Science (S), eleven months from October 1, 1962, \$6,850 a year (10-24-62).
- SOLLO, FRANK W., JR., Research Associate in the State Water Survey,  $\frac{1}{2}$  time, eight months from November 1, 1962, \$6,500 (10-31-62).
- SONNENKALB, BRIGITTA H., Physician in the Health Service (Medical Center),  $\frac{3}{10}$  time, eleven months from October 1, 1962, \$3,600 a year (10-23-62).
- STARK, KENNETH, Assistant-Counseling in the Student Counseling Service (Provost's Office), ten months from November 1, 1962, \$6,250 a year, supersedes (11-13-62).



- STEWART, MRS. BEVERLY J., Undergraduate Library Assistant in the Library, nine months from December 1, 1962, \$5,500 a year, supersedes (11-16-62).
- STOLUROW, LAWRENCE M., Professor of Psychology, to render service during each academic year, on leave of absence with pay, during the second semester, and Professor of Education, in the Bureau of Educational Research (Y basis), leave of absence with pay, from February 1 through June 15, 1963, on indefinite tenure, from September 1, 1962, \$12,900 a year, supersedes (11-13-62).
- SWERDLOW, ARNOLD B., Clinical Instructor in Surgery (Medicine), eleven months from October 1, 1962, without salary (10-31-62).
- TAKANO, TADAO, Instructor in Art (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, \$875 (11-12-62).
- TESKA, BETTY J., Research Associate in the Institute for Research on Exceptional Children,  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$3,240 (11-8-62).
- TEXTOR, CHARLES S., II, Clinical Assistant Professor of Neurology and Neurological Surgery (Medicine),  $\frac{1}{10}$  time, one year from September 1, 1962, \$1,200 (11-8-62).
- THOMPSON, EDWARD C., Clinical Assistant Professor of Oral and Maxillofacial Surgery (Dentistry), one year from September 1, 1962, without salary (11-8-62).
- UECKER, FRANCIS A., Assistant Professor of Botany, September 16, 1962-January 31, 1963, \$3,500 (11-1-62).
- VAN BORTEL, DOROTHY G., Research Associate in Pedodontics (Dentistry),  $\frac{3}{5}$  time, October 1, 1962-June 15, 1963, \$2,125 (11-8-62).
- VANDI, ANTONIO F., Research Associate in Chemistry, four months from October 1, 1962, \$565 a month, supersedes (10-23-62).
- VASTINE, RUSSELL J., JR., Clinical Instructor in Medicine (Medicine), eleven months from October 1, 1962, without salary (11-16-62).
- VERMEULEN, MARY E., Research Assistant in Microbiology, October 16, 1962-August 31, 1963, \$5,200 a year (10-23-62).
- VESSELL, RITA M., Assistant in Nursing, eleven months from October 1, 1962, \$5,500 a year (10-23-62).
- WACHSMAN, JOSEPH T., Assistant Professor of Microbiology, July 1, 1962-August 31, 1963, \$10,380 a year, supersedes (11-8-62).
- WALKER, CRAYTON C., Research Assistant in Electrical Engineering (C), January 1-June 15, 1963, \$477.77 a month, supersedes (12-5-62).
- WEISSMAN, HERMAN B., Associate Professor of Physics,  $\frac{2}{3}$  time, indefinite tenure, \$6,200 a year, and Acting Director of the Computer Program,  $\frac{1}{2}$  time, one year, \$3,100 (Chicago Undergraduate Division), to render service during each academic year beginning September 1, 1962, supersedes (10-24-62).
- WENTE, HENRY L., Instructor in Clinical Dentistry (Dentistry),  $\frac{3}{5}$  time, October 18, 1962-August 31, 1963, \$3,000 a year (11-14-62).
- WIEHLE, H. R., Visiting Research Associate in the Digital Computer Laboratory, February 1-March 31, 1963, \$800 a month (10-29-62).
- WILKINS, JAMES L., Instructor in Sociology (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, \$1,500 (11-5-62).
- WILLIAMSON, ARTHUR R., Clinical Instructor in Surgery (Medicine), ten months from November 1, 1962, without salary (11-16-62).
- WUTTIG, MANFRED R. G., Research Associate in Metallurgy (C), January 15-August 31, 1963, \$8,000 a year (10-31-62).
- YAEGER, JAMES A., Assistant Professor of Histology (Dentistry), eight months from January 1, 1963, \$11,200 a year, supersedes (11-16-62).
- YASHON, DAVID, Assistant in Neurology and Neurological Surgery (Medicine), one year from July 1, 1962, without salary (11-8-62).
- ZEMLIN, WILLARD R., Assistant Professor of Speech and Theatre,  $\frac{1}{2}$  time, (Y basis), and  $\frac{1}{2}$  time, to render service during the academic year, one year from September 1, 1962, \$8,225, supersedes (11-27-62).
- ZIOLKOWSKI, EDMUND M., Physician in the Health Service (Medical Center),  $\frac{1}{2}$  time, eleven months from October 1, 1962, \$6,000 a year; this is in addition to his nonsalaried appointment (11-8-62).

## GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- ALKIRE, WILLIAM H., United States Public Health Service Predoctoral Fellow in Anthropology, one year from October 1, 1962, \$2,000 (10-18-62).
- ATKINS, GLADYS, United States Public Health Service Fellow in Physiology, one year from September 21, 1962, \$2,000, supersedes (10-19-62).
- BEERS, GEORGE, National Science Foundation Fellow in Mathematics, one year from June 16, 1962, \$5,666.25, supersedes (11-13-62).
- BERMAN, MORLEY, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, \$600 (10-11-62).
- CADKIN, LAWRENCE M., Part-time Medical Student Research Fellow in Pediatrics, October 6, 1962-June 15, 1963, \$550 (10-16-62).
- DELLENBACK, BARBARA, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, \$600 (10-8-62).
- DEVINE, RICHARD A., Inland Steel-Ryerson Foundation Fellow in Architecture, February 1-June 15, 1963, \$1,500 (11-28-62).
- EDWARDS, JOHN R., United States Public Health Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, \$1,800, supersedes (10-24-62).
- ELLIOTT, EDWARD L., General Electric Foundation Teaching Fellow in Accountancy, September 16, 1962-June 30, 1963, \$1,000; this is in addition to his appointment as Assistant in Accountancy on  $\frac{3}{4}$  time (11-13-62).
- GANTT, R. RAYMOND, United States Public Health Service Fellow (Trainee) in Biological Chemistry, eight months from November 1, 1962, \$1,733.28, supersedes (11-7-62).
- GRUEN, WAYNE T., Automotive Safety Foundation Fellow in Civil Engineering, February 1-June 15, 1963, \$750 (11-20-62).
- HEINTZ, NORMAN V., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, \$600 (10-31-62).
- JOHNSON, RICHARD M., Charles E. Merriam Fellow in Political Science, October 1, 1962-June 15, 1963, \$1,888.88; and two months from June 16, 1963, \$375, supersedes (10-26-62).
- KLESSE, WILLIAM R., United States Public Health Service Fellow (Trainee) in Biophysics, one year from December 1, 1962, \$2,666 (11-13-62).
- LERNER, LEON M., United States Public Health Service Fellow (Trainee) in Biological Chemistry, eight months from November 1, 1962, \$1,733.28, supersedes (11-7-62).
- LEVIN, JACOB J., United States Public Health Service Fellow (Trainee) in Neuropharmacology, one year from November 1, 1962, \$8,000 (10-26-62).
- LEVIN, NATHAN W., United States Public Health Service Fellow (Special) in Medicine, one year from September 26, 1962, without salary (10-17-62).
- MAGNUS, DAVID, United States Public Health Service Fellow (Trainee) in Pharmacology, nine months from September 16, 1962, \$600 (10-15-62).
- MCCARTY, CHARLES G., United States Public Health Service Predoctoral Fellow in Chemistry, one year from October 12, 1962, \$3,700 (10-18-62).
- MCDERMOTT, JAMES A., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from August 1, 1962, \$600, supersedes (10-11-62).
- MCINTOSH, CHARLES L., Part-time Medical Student Research Fellowship in Surgery, January 1-June 15, 1963, \$400 (11-21-62).
- MCCLAIN, LARRY, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, \$600 (10-8-62).
- NIXON, JOSEPH E., United States Public Health Service Fellow (Trainee) in Animal Science, eight months from November 1, 1962, \$1,667 (11-7-62).
- NOTEBOOM, WILLIAM D., United States Public Health Service Predoctoral Fellow in Physiology and Biophysics, one year from October 1, 1962, \$2,000 (10-18-62).
- SCHATZ, HOWARD, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, \$600 (10-11-62).
- SELINE, HELEN, United States Public Health Service Fellow (Trainee) in Psychiatry, one year from November 1, 1962, \$2,400 (10-31-62).
- SNOW, WILLIAM J., General Electric Foundation Teaching Fellow in Accountancy, nine months from September 16, 1962, \$1,000; this is in addition to his appointment as Assistant in Accountancy on  $\frac{1}{2}$  time (11-13-62).

WALSH, PATRICIA J., United States Public Health Service Fellow (Trainee) in Biological Chemistry, eight months from November 1, 1962, \$1,733.28, supersedes (11-7-62).

WATSON, JAMES R., United States Public Health Service Fellow in Microbiology, one year from January 1, 1963, \$2,000 (10-15-62).

WILLOUGHBY, JEWELL B., Office of Education Fellow in Education, nine months from September 16, 1962, \$2,800 (11-5-62).

#### RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS

CHATMAN, DONALD G., Research Assistant in Medicine (Medicine) — resignation effective October 13, 1962.

CHUANG, K. P., Instructor in Theoretical and Applied Mechanics — resignation effective September 1, 1962.

CICENAS, ZINNIA, Assistant Chief Pharmacist (Medical Center) — declination effective September 1, 1962.

DAY, NORMAN D., Assistant Professor of Architecture — resignation effective March 1, 1963.

GAETANI, SANCIA, Research Associate in Animal Science — resignation effective December 14, 1962.

GARCIA-MOLINER, CARMEN, Postdoctoral Fellow (Trainee) in Microbiology — resignation effective November 1, 1962.

GEORGIU, GEORGE T., Physician, Health Service (Medical Center) — resignation effective December 1, 1962.

GRAY, JOSEPH L., III, Instructor in Foreign Languages (Chicago Undergraduate Division) — resignation effective March 1, 1963.

GROVES, WILLIAM E., Research Assistant in Chemistry — declination effective June 16, 1962.

HARRIS, MRS. BRIGITA, Research Assistant in Pharmacognosy and Pharmacology (Pharmacy) — resignation effective November 1, 1962.

HERSCHBACH, KORNELIUS, Research Associate in Physics — resignation effective January 1, 1963.

HOFFMANN, RITA C., Research Assistant in Biological Chemistry (Medicine) — resignation effective September 9, 1962.

HUTCHINSON, DAVID, Research Assistant in the Digital Computer Laboratory — resignation effective November 24, 1962.

HUTTON, ROGER S., Assistant in General Engineering — declination effective September 16, 1962.

JACOBSON, MARCUS A., Clinical Instructor in Psychiatry (Medicine) — termination effective September 1, 1962.

KAMPE, DWIGHT F., Associate Professor of Agricultural Engineering — resignation effective November 16, 1962.

KIESO, DONALD E., Instructor in Accountancy — resignation effective March 1, 1963.

KIMURA, HIROSHI, Research Assistant in Food Technology — resignation effective November 22, 1962.

LAWRENCE, ARTHUR G., Clinical Instructor in Surgery (Medicine) — resignation effective November 1, 1962.

LEICHTNER, E. JEANNINE, Research Associate in the Coordinated Science Laboratory — resignation effective December 1, 1962.

MAIER, KENNETH J., Instructor in Radiology (Medicine) — termination effective November 1, 1962.

MINOMURA, SHIGERU, Research Associate in Chemical Engineering — declination effective September 1, 1962.

PENHOLLOW, JOHN O., Research Associate in the Digital Computer Laboratory — resignation effective December 16, 1962.

POPE, SHIRLEY A., Fellow in French — resignation effective November 10, 1962.

RAMSEYER, LINDA M., Fellow in Zoology — resignation effective February 1, 1963.

REDFIELD, ALFRED G., George A. Miller Visiting Professor of Physics — cancellation effective October 1, 1962.

SINHA, MRS. INDU BALA, Research Assistant in Plant Pathology — resignation effective December 1, 1962.

- STOUT, GLENN E., Research Associate in General Engineering—declination effective September 1, 1962.
- WIEHLE, H. R., Visiting Research Associate in the Digital Computer Laboratory—resignation effective January 1, 1963.
- WIEHLE, H. R., Visiting Research Associate in the Digital Computer Laboratory—declination effective February 1, 1963.
- WOLOSHIN, GABRIELLE S., Instructor in Psychiatry (Medicine)—termination effective October 1, 1962.
- ZAYAS, AGENOR M., Assistant in Physical Medicine and Rehabilitation (Medicine)—resignation effective October 17, 1962.

#### LEAVES OF ABSENCE

- FREUND, ERIC C., Research Associate in the Bureau of Community Planning—leave of absence, without pay, beginning October 22, 1962, and continuing through December 31, 1962.
- GOULD, ORRIN E., Assistant Professor of Education—leave of absence, one-fourth time, for the academic year 1962-63, without pay.
- MANWELL, CLYDE, Associate Professor of Physiology—leave of absence, without pay, for two years from September 1, 1963, so that he may spend those two years in research and studies abroad.
- RAPP, MARIE A., Circulation Librarian, with rank of Assistant Professor, in the Chicago Undergraduate Division—leave of absence, without pay, for four months from December 1, 1962.
- ROBERG, NORMAN B., Professor of Medicine, in the College of Medicine—leave of absence, without pay, for two years from July 1, 1963.
- RUDIN, CECILIA M., Instructor in English, in the Chicago Undergraduate Division—leave of absence, without pay, beginning November 2, 1962, and continuing through August 31, 1963, on account of illness.
- SANDAGE, CHARLES H., Professor of Advertising and Head of the Department, in the College of Journalism and Communications—leave of absence, one-half time, without pay, from September 1, 1963, through February 29, 1964.
- SMITH, ROBERT J., Professor of Architecture—disability leave of absence, with full pay, beginning November 2, 1962, and continuing until the beginning of the second semester.

#### CHANGES IN SABBATICAL LEAVES OF ABSENCE

- KING, IVAN R., Associate Professor of Astronomy—from sabbatical leave for the academic year 1962-63 on one-half pay to sabbatical leave of absence from September 1, 1962, and continuing through February 28, 1963, on full pay, and from March 1 through August 31, 1963, his salary to be paid from a National Science Foundation Grant, U.S. NSF G-22005 (46-32-10-354).
- STOLUROW, LAWRENCE M., Professor of Psychology and of Education, in the Bureau of Educational Research—from sabbatical leave of absence for the academic year 1962-63 on one-half pay to leave of absence, with pay, from February 1 through June 15, 1963.

#### DEAN MARY K. MULLANE

At this point, Dean Mary K. Mullane of the College of Nursing was introduced and she addressed the Board briefly on the recent developments in education for nursing and on the state of the University of Illinois College of Nursing.

#### JANUARY MEETING

On motion of Mr. Swain, the Board voted to change the date of the January, 1963, meeting from Wednesday, January 16, to Thursday, January 17, 1963; and to hold this meeting in Springfield at a place and according to a schedule to be determined by the President and the Secretary of the Board.

#### ANNUAL MEETING

On motion of Mr. Johnston, the Board voted to change the date of the

next annual meeting from Tuesday, March 12, to Wednesday, March 20, 1963.

President Henry asked that the Trustees consider holding a special meeting, or meetings and conferences of Board committees, in January following the regular meeting. The dates of January 19 and 22 were suggested. It was the consensus of the Board that the Secretary of the Board, in consultation with the Committee Chairmen, canvass the Trustees to set a suitable date if the business of the University required such a meeting of the Board or of Board Committees.

#### TRIBUTE TO MR. WILKINS

Mr. Wilkins will leave office as Superintendent of Public Instruction of Illinois on January 14, so that today's meeting of the Board of Trustees of the University is the last he will attend as an *ex officio* member of the Board.

On motion of Mr. Swain, the Board of Trustees gave Mr. Wilkins a rising vote of thanks for his services as a member of this Board.

#### RECESS

At 12:15 p.m., on motion of Mrs. Watkins, the Board recessed for luncheon. Members of the Board of Trustees, officers of the Board, officers of the University, and representatives of the press were guests of officers of the First National Bank of Chicago at luncheon.

Following the recess, on motion of Mr. Pogue, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**January 17, 1963**



The January meeting of The Board of Trustees of the University of Illinois was held in Room M-3, State House, Springfield, Illinois, on Thursday, January 17, 1963, beginning at 2:00 p.m. Prior to the meeting, the Trustees, officers of the University, and representatives of the press were guests of Governor and Mrs. Otto Kerner for luncheon at the Executive Mansion.

The following members of the Board were present at the meeting: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Governor Otto Kerner, Mr. Ray Page, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Harold Pogue was absent on account of illness.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Be-gando, Vice-President, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. William H. Rice, Administrative Assistant (Legislative Relations), President's Office; and the officers of the Board, Mr. C. W. Weldon, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

### ANNOUNCEMENTS BY THE PRESIDENT OF THE BOARD

On behalf of the Board, President Clement welcomed the Governor to the meeting, and also Mr. Page, who was attending his first meeting as an ex officio member of the Board.

### BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

### PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

### AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
RICHARD BYRON COLE	Birmingham, Michigan	Michigan
JAMES EVERETT COOK	Skokie, Illinois	Texas
MYRON RAYMOND HASS	Oak Lawn, Illinois	California
JEROME JOSEPH MCCARTHY	East St. Louis, Illinois	Missouri
HAROLD ELLSWORTH QUILL	Bettendorf, Iowa	Iowa
STUART ARTHUR SIMEL	East Williston, New York	New York
ROBERT L. VAN DE VOORDE	Rock Island, Illinois	Iowa

I concur.

On motion of Mr. Hughes, these certificates were awarded.

### BUDGET FOR 1963 SUMMER SESSION AND FACULTY APPOINTMENTS

(2) Submitted herewith is the budget and appointments to the faculty for the 1963 Summer Session: at Urbana-Champaign from June 17 through August 10; at the Chicago Undergraduate Division from June 21 through August 16; and at the Medical Center from June 17 through September 7.

The distribution of the budgeted funds is as follows:

#### Salaries

Urbana-Champaign .....	\$ 862 919
Medical Center .....	11 803
Reserve .....	45 278
<i>Total, Urbana-Champaign and Medical Center</i> .....	(920 000)
Chicago Undergraduate Division .....	144 023
Reserve .....	977
<i>Total, Chicago Undergraduate Division</i> .....	(145 000)
<i>Total, Summer Session Salaries</i> .....	(1 065 000)

#### Wages, Expense, and Equipment

Urbana-Champaign .....	18 610
<i>Total, Summer Session Budget</i> .....	\$1 083 610

Salaries of members of the University faculty recommended for summer session appointments are computed on the basis of the standard formula: two-ninths of the salary of the academic year for eight weeks of service, with proportionate amounts for shorter periods or for part-time service. The appointments being recommended include a number of visiting lecturers from other colleges and universities at the salaries indicated.

I recommend that the appointments to the summer session staff be approved as submitted, and that the President of the University be authorized to accept resignations and make such changes and adjustments and additional appointments as are necessary in accordance with the needs of the University within the allocations of funds indicated.

On motion of Mr. Swain, these appointments and the Summer Session budget were approved, and authority was given as requested, this action being taken by the following vote: Aye, Mr. Clement, Mr. Dillard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

#### URBANA-CHAMPAIGN

Accountancy		Per Cent Time	Summer Salary
1. Gaze E. Lukas, Professor.....	100		\$ 2 534
2. R. K. Mautz, Professor.....	50		1 945
3. William E. Thomas, Jr., Professor.....	100		2 712
4. Nelson D. Wakefield, Professor.....	100		2 556
5. Arthur R. Wyatt, Professor.....	100		2 556
6. Darwin J. Casler, Assistant Professor.....	100		1 778
7. Philip E. Fess, Assistant Professor.....	50		1 012
8. Nancy A. Desmond, Instructor.....	100		1 112
9. James E. Wheeler, Instructor.....	50		534
10. _____	100		2 223
			(\$18 962)
Advertising			
1. James E. Moyer, Associate Professor.....	100		\$ 2 423
			(\$ 2 423)
Anthropology			
1. Joseph B. Casagrande, Professor.....	50		\$ 1 862
2. Demetri B. Shimkin, Professor.....	50		1 623
3. Elaine A. Bluhm, Assistant Professor.....	100		1 556
4. Frederic K. Lehman, Research Associate.....	100		1 512
5. _____, Assistant.....	50		445
6. _____, Assistant.....	50		445
7. _____, Assistant.....	50		445
			(\$ 7 888)
Architecture			
1. John G. Replinger, Professor.....	100		\$ 2 589
2. George M. Hodge, Jr., Associate Professor.....	50		1 311
3. Harold L. Hornbeak, Associate Professor.....	100		2 512
4. Jack H. Swing, Associate Professor.....	100		2 667
5. James B. Wallace, Associate Professor.....	67		1 254
			(\$10 333)
Art			
1. Glenn R. Bradshaw, Professor.....	100		\$ 2 223
2. Nicholas Britsky, Professor.....	67		1 586
3. C. V. Donovan, Professor.....	67		2 238
4. W. F. Doolittle, Professor.....	100		3 067
5. James D. Hogan, Professor.....	67		1 734
6. R. E. Hult, Professor.....	100		2 223
7. Frank J. Roos, Jr., Professor.....	100		2 489
8. Nicola Ziroli, Professor.....	67		1 482
9. Carleton W. Briggs, Associate Professor.....	67		1 438
10. Donald E. Frith, Associate Professor.....	67		1 230
11. Raymond Perlman, Associate Professor.....	67		1 482
12. Robert A. von Neumann, Associate Professor.....	67		1 334
13. _____, Assistant Professor.....	100		1 489
14. Roger L. Majorowicz, Instructor.....	67		845
			(\$24 860)



**University of Illinois Bands**

1. Everett D. Kisinger, Assistant Director.....	50	\$ 1 178
(See Music) .....	(25)	(589)
(Total Salary) .....		(1 767)
		(\$ 1 178)

**Botany**

1. Lawrence C. Bliss, Associate Professor.....	100	\$ 1 967
2. Dale M. Smith, Associate Professor.....	100	1 978
3. Zane B. Carothers, Assistant Professor.....	100	1 756
4. _____, Assistant .....	50	445
5. _____, Assistant .....	50	445
		(\$ 6 591)

**Graduate School of Business Administration**

1. Helmy H. Baligh, Assistant Professor.....	100	\$ 1 778
2. Leon Richartz, Assistant Professor.....	100	1 778
3. _____, .....	100	2 000
		(\$5 556)

**Business Education**

1. Ralph E. Mason, Associate Professor.....	50	\$ 1 060
2. Mildred E. Reed, Assistant Professor (June 17 to July 13) ..	100	834
		(\$ 1 894)

**Business Law**

1. Paul C. Roberts, Professor.....	50	\$ 1 356
2. Robert N. Corley, Associate Professor.....	50	1 034
		(\$ 2 390)

**Chemistry and Chemical Engineering**

1. Thomas J. Hanratty, Associate Professor.....	100	\$ 2 356
2. Dean F. Martin, Assistant Professor.....	100	1 600
3. Roger A. Schmitz, Assistant Professor.....	100	1 667
4. John E. Baldwin, Instructor.....	100	1 445
5. James L. Brownlee, Instructor.....	100	1 645
6. _____, Assistant .....	50	489
7. _____, Assistant .....	50	489
8. _____, Assistant .....	50	489
9. _____, Assistant .....	50	467
10. _____, Assistant .....	50	467
11. _____, Assistant .....	50	467
12. _____, Assistant .....	50	467
13. _____, Assistant .....	50	467
14. _____, Assistant .....	50	467
15. _____, Assistant .....	50	467
16. _____, Assistant .....	50	467
17. _____, Assistant .....	50	467
18. _____, Assistant .....	50	467
19. _____, Assistant .....	50	467
20. _____, Assistant .....	50	445
21. _____, Assistant .....	50	445
22. _____, Assistant .....	33	297
23. _____, Assistant .....	33	297
24. _____, Assistant .....	33	297
25. Philip Kinsey, Visiting Lecturer.....	100	1 889
(366b Noyes Laboratory, Urbana, Illinois)		
26. _____, Visiting Lecturer.....	100	3 300
27. _____, Visiting Lecturer .....	100	2 889
28. _____, Visiting Lecturer .....	100	2 800
29. _____, Visiting Lecturer.....	100	2 700
30. _____, Visiting Lecturer.....	100	2 700
31. _____, Visiting Lecturer.....	100	1 800
32. _____, Visiting Lecturer.....	100	1 800
33. _____, Visiting Lecturer.....	100	1 778
34. _____, Visiting Lecturer.....	100	1 600

35. —————, Visiting Lecturer.....	100	1 600
36. —————, Visiting Lecturer.....	100	1 512
		(\$43 466)

**Child Development**

1. Collene B. King, Instructor.....	100	\$ 1 312
2. —————, Assistant .....	50	456
3. —————, Assistant .....	25	228
4. —————, Assistant .....	25	228
5. —————, Visiting Lecturer .....	25	356
		(\$ 2 580)

**Civil Engineering**

1. N. M. Newmark, Professor.....	25	\$ 1 262
2. Edwin H. Gaylord, Jr., Professor.....	100	3 223
3. William J. Hall, Professor.....	50	1 556
4. Herbert O. Ireland, Professor.....	60	1 500
5. Narbey Khachaturian, Professor.....	100	2 400
6. William H. Munse, Professor.....	50	1 612
7. Ralph B. Peck, Professor of Foundation Engineering.....	60	2 334
8. Chester P. Siess, Professor.....	50	1 612
9. Moreland Herrin, Associate Professor.....	60	1 334
10. Melvin T. Davisson, Assistant Professor.....	60	1 120
11. John W. Melin, Assistant Professor.....	60	1 040
12. William C. Schnobrich, Assistant Professor.....	100	1 800
13. Samuel Sutcliffe, Assistant Professor.....	60	1 067
14. Richard N. Wright III, Assistant Professor.....	60	1 134
15. —————, Instructor .....	100	1 800
		(\$24 794)

**Civil Engineering Summer Surveying Camp**

1. Milton O. Schmidt, Professor and Camp Director (June 10 to August 10).....	100	\$ 2 750
2. —————, Assistant (June 17 to July 20).....	100	800
3. Albert P. Ruotsala, Visiting Lecturer (June 17 to July 20).. (Northern Illinois University, DeKalb, Illinois)	100	1 075
4. Walter A. Scott, Visiting Lecturer (June 17 to July 20).... (137 Mansfield Street, New Haven 11, Connecticut)	100	1 300
		(\$ 5 925)

**Classics**

1. John J. Bateman, Assistant Professor.....	100	\$ 1 778
2. William P. Donovan, Assistant Professor.....	75	1 167
		(\$ 2 945)

**Digital Computer Laboratory**

1. Sylvian R. Ray, Research Assistant Professor.....	75	\$ 1 334
2. —————, Assistant .....	50	467
		(\$ 1 801)

**Economics**

1. J. F. Bell, Professor.....	50	\$ 2 112
2. Royall Brandis, Professor.....	100	2 523
3. Hans J. Brems, Professor.....	100	3 400
4. Donald L. Kemmerer, Professor.....	100	3 267
5. Donald W. Paden, Professor.....	50	1 389
6. Robert W. Resek, Assistant Professor.....	50	900
7. Franklin R. Shupp, Assistant Professor.....	100	2 000
8. Stanley W. Steinkamp, Assistant Professor.....	100	1 867
9. —————, Assistant .....	50	445
10. —————, Assistant .....	50	445
		(\$18 348)

**Education**

1. Fred P. Barnes, Professor.....	100	\$ 2 567
2. Glenn M. Blair, Professor.....	100	2 412
3. Harry S. Broudy, Professor.....	100	2 912
4. R. Will Burnett, Professor.....	100	2 767

5. John J. DeBoer, Professor.....	100	2 512
6. Norman E. Gronlund, Professor.....	100	2 245
7. Stanley G. Hall, Professor of General Engineering (July 15 to August 10).....	100	1 245
8. Harold C. Hand, Professor.....	100	3 478
9. Kenneth B. Henderson, Professor.....	100	2 734
10. Pearl Z. Janssen, Professor of Foods.....	13	303
(See Home Economics).....	(87)	(2 031)
(Total Salary).....		(2 334)
11. Walter V. Kaulfers, Professor.....	100	2 223
12. Clyde G. Knapp, Professor.....	100	2 334
13. John E. McGill, Professor.....	100	2 300
14. Lawrence E. Metcalf, Professor.....	100	2 312
15. Perry E. Miller, Professor.....	100	3 223
16. Walter J. Moore, Professor.....	100	2 334
17. T. Ernest Newland, Professor.....	100	2 223
18. Robert E. Pingry, Professor.....	100	2 589
19. Fred C. Proff, Professor.....	100	2 356
20. J. H. Shores, Professor.....	100	2 623
21. Ray H. Simpson, Professor.....	100	2 689
22. B. Othanel Smith, Professor.....	100	3 412
23. W. O. Stanley, Professor.....	100	2 678
24. Celia B. Stendler, Professor.....	100	2 523
25. Warren C. Bonney, Associate Professor.....	100	2 112
26. Joe R. Burnett, Associate Professor.....	100	1 945
27. Basil Castaldi, Associate Professor.....	100	2 134
28. Frank Costin, Associate Professor of Psychology.....	50	1 112
29. Floyd L. Crank, Associate Professor (June 17 to July 13).....	100	967
30. Stephen P. Hencley, Associate Professor.....	100	2 134
31. Robert A. Henderson, Associate Professor.....	100	2 112
32. Charles E. Johnson, Associate Professor.....	100	2 156
33. Kenneth M. Lansing, Associate Professor.....	100	1 978
34. Mary E. Mather, Associate Professor.....	75	1 400
35. Lloyd E. McCleary, Associate Professor.....	100	2 245
36. Foster McMurray, Associate Professor.....	100	1 900
37. Elizabeth R. Melson, Associate Professor of Business Education (June 17 to July 13).....	100	1 167
38. W. L. Shoemaker, Associate Professor.....	100	1 934
39. Elizabeth J. Simpson, Associate Professor.....	75	1 558
40. John G. Chaltas, Assistant Professor.....	100	1 823
41. Thomas E. Culliton, Jr., Assistant Professor.....	100	1 789
42. William H. Evans, Assistant Professor.....	100	1 845
43. Virginia Guthrie, Assistant Professor of Home Management (July 15 to August 10).....	50	423
44. Frank H. Klassen, Assistant Professor.....	100	1 778
45. John R. Palmer, Assistant Professor.....	100	1 889
46. Clarence Phillips, Assistant Professor of Mathematics.....	50	789
(See Mathematics).....	(50)	(789)
(Total Salary).....		(1 578)
47. William J. Schill, Assistant Professor.....	100	1 889
48. Robert L. Spaulding, Assistant Professor.....	100	1 800
49. Jerry L. Walker, Assistant Professor.....	100	1 734
50. Harry F. Breen, Jr., Instructor.....	100	1 578
51. Daniel Householder, Instructor.....	100	1 512
52. Daniel A. Lindley, Jr., Instructor.....	50	723
53. James Walden, Instructor.....	100	1 378
54. Inez E. Bishop, Assistant.....	50	545
55. Ira Gross, Assistant.....	50	478
56. Eugene R. Irving, Assistant (July 15 to August 10).....	100	545
57. Robert Lee Jozwiak, Assistant (July 15 to August 10).....	100	545
58. Samuel Rosen, Assistant.....	50	478
59. Joseph A. Twaranovica, Assistant.....	50	545

60. ———, Assistant .....	50	545
61. ———, Assistant .....	50	545
62. ———, Assistant .....	50	545
63. ———, Assistant .....	50	545
64. ———, Assistant .....	50	545
65. ———, Assistant .....	50	545
66. ———, Assistant .....	50	545
67. ———, Assistant (June 17 to July 13) .....	100	545
68. ———, Assistant (July 15 to August 10) .....	100	545
69. R. H. Eckelberry, Visiting Lecturer..... (2444 Andover Road, Columbus 21, Ohio)	100	2 600
70. Eugene L. Gaier, Visiting Lecturer..... (University of Buffalo, Buffalo 14, New York)	100	2 000
71. H. J. Hallworth, Visiting Lecturer..... (23 Links Drive, Solihull, Warwickshire, England)	100	2 200
72. Henry R. Kaczowski, Visiting Lecturer..... (105 Gregory Hall, Urbana, Illinois)	100	2 000
73. M. Jean Phillips, Visiting Lecturer..... (105 Gregory Hall, Urbana, Illinois)	100	1 600
74. Joyce F. Wylie, Visiting Lecturer..... (University of Sydney, Sydney, New South Wales, Australia)	100	2 300
75. ———, Visiting Lecturer.....	100	2 200
76. ———, Visiting Lecturer.....	100	2 200
77. ———, Visiting Lecturer.....	100	2 200
78. ———, Visiting Lecturer.....	100	2 200
79. ———, Visiting Lecturer.....	100	2 000
80. ———, Visiting Lecturer.....	100	2 000
81. ———, Visiting Lecturer.....	100	2 000
82. ———, Visiting Lecturer.....	100	2 000
83. ———, Visiting Lecturer.....	100	1 400
84. ———, Visiting Lecturer.....	100	1 400
85. ———, Visiting Lecturer.....	100	1 300
86. ———, Visiting Lecturer.....	50	1 000
87. ———, Visiting Lecturer.....	50	1 000
88. ———, Visiting Lecturer.....	50	800

(\$151 239)

**Electrical Engineering**

1. George E. Anner, Professor.....	100	\$ 3 000
2. L. B. Archer, Professor.....	100	2 600
3. Willis L. Emery, Professor.....	50	1 445
4. M. S. Helm, Professor.....	100	2 600
5. C. A. Keener, Professor.....	100	3 112
6. G. R. Peirce, Professor.....	100	2 512
7. P. F. Schwarzlose, Professor.....	50	1 200
8. C. E. Skroder, Professor.....	100	2 267
9. Jerome Earl Williams, Professor.....	100	2 534
10. Roger W. Burtness, Associate Professor.....	100	2 645
11. Milton H. Crothers, Associate Professor.....	100	2 312
12. Paul R. Egbert, Associate Professor.....	100	2 089
13. Edward W. Ernst, Associate Professor.....	100	2 623
14. Daniel F. Hang, Associate Professor.....	100	2 334
15. Benjamin Kuo, Associate Professor.....	100	2 156
16. Millard S. McVay, Associate Professor.....	100	2 556
17. ———, Associate Professor.....	100	1 800
18. Philip A. Bauman, Assistant Professor.....	100	1 645
19. V. Gourishankar, Assistant Professor.....	50	845
20. Paul K. Hudson, Assistant Professor.....	50	1 056
21. Edwin C. Jones, Jr., Assistant Professor.....	50	845
22. ———, Assistant Professor.....	100	1 600
23. Arnold W. Dipert, Instructor.....	50	556
24. John R. Lehmann, Jr., Instructor.....	50	712

(\$47 044)

**English**

1. Edward H. Davidson, Professor.....	100	\$ 3 378
2. Gwynne B. Evans, Professor.....	100	3 400
3. Bruce Harkness, Professor.....	100	2 489
4. Roland M. Smith, Professor.....	50	1 356
5. Harris W. Wilson, Professor.....	100	2 578
6. August L. Altenbernd, Associate Professor.....	100	1 912
7. Daniel Curley, Associate Professor.....	100	1 845
8. Robert B. Lees, Associate Professor.....	100	2 445
9. _____, Associate Professor.....	100	2 178
10. Harry F. Robins, Associate Professor.....	100	1 823
11. Francis W. Weeks, Associate Professor of Business English..	50	1 123
12. John T. Maguire, Associate Professor of Business English..	50	956
13. Lloyd E. Berry, Assistant Professor.....	50	856
14. N. P. Davis, Assistant Professor.....	50	723
15. _____, Assistant Professor.....	50	789
16. John A. Hamilton, Assistant Professor.....	50	723
17. Donald J. Hogan, Assistant Professor.....	50	789
18. Stanton Millet, Assistant Professor.....	50	778
19. Frank Moake, Assistant Professor.....	50	895
20. Gardiner B. Stillwell, Assistant Professor.....	50	823
21. _____, Assistant Professor of Business English.....	50	956
22. _____, Assistant Professor of English for Foreign Students.....	100	1 667
23. Howard C. Cole, Instructor.....	50	700
24. _____, Instructor.....	50	712
25. Mary Lynn Johnson, Instructor.....	50	700
26. Robert K. Stone, Instructor.....	50	656
27. Albert C. Tillman, Instructor.....	50	712
28. _____, Instructor.....	50	712
29. _____, Instructor in Business English.....	50	623
30. _____, Instructor in Business English.....	50	656
31. Robert Paul Fox, Instructor in English for Foreign Students	100	1 378
32. Eloise C. Enata, Instructor in English for Foreign Students	100	1 445
33. Mary A. Hussey, Instructor in English for Foreign Students	100	1 400
34. _____, Assistant.....	50	467
35. _____, Assistant.....	50	467
36. _____, Assistant.....	50	467
37. _____, Assistant.....	50	467
38. _____, Assistant.....	50	489
39. _____, Assistant.....	50	489
40. _____, Assistant.....	50	489
41. _____, Assistant.....	50	489
42. Donald H. Reiman, Visiting Lecturer.....	100	2 033
(Duke University, Durham, North Carolina)		(\$50 033)

**Entomology**

1. William L. Downes, Assistant Professor.....	100	\$ 1 678
		(\$ 1 678)

**Finance**

1. Robert A. Hedges, Associate Professor.....	100	\$ 2 045
2. T. Emerson Cammack, Assistant Professor.....	100	1 823
3. Arthur Heins, Assistant Professor.....	100	1 867
4. Frederick G. Stubbs, Assistant.....	25	223
5. Ward Theilman, Assistant.....	50	445
		(\$ 6 403)

**French**

1. Philip A. Wadsworth, Professor.....	50	\$1 650
2. Bruce H. Mainous, Associate Professor.....	100	2 289
3. Stanley E. Gray, Assistant Professor.....	100	1 645
4. Paul A. Mankin, Assistant Professor.....	100	1 667

5. Philip H. Stephan, Assistant Professor.....	67	993
6. Herbert C. DeLey, Jr., Instructor.....	100	1 334
7. Paul E. Barrette, Instructor.....	100	1 423
8. _____, Assistant.....	50	445
9. _____, Assistant.....	50	445
10. _____, Assistant.....	50	445
11. _____, Assistant.....	50	445
12. _____, Assistant.....	50	445
13. _____, Assistant.....	50	445
14. _____, Assistant.....	50	445
15. _____, Assistant.....	50	445
16. _____, Assistant.....	50	445
17. _____, Assistant.....	50	445
18. _____, Assistant.....	50	445
19. _____, Assistant.....	50	445
20. Vasile C. Barsan, Assistant.....	50	545
(7 Bryan Place, Charleston, Illinois)		

(\$16 886)

**General Engineering**

1. Robert P. Borri, Associate Professor.....	50	\$ 978
2. John P. Hipskind, Assistant Professor.....	100	1 489
3. Donald E. Scheck, Assistant Professor.....	100	1 556
4. Robert W. Bokenkamp, Instructor.....	50	889

(\$ 4 912)

**Division of General Studies**

1. Francis A. Uecker, Assistant Professor of Biological Sciences.....	100	\$ 1 556
2. Reinhart A. Brust, Assistant in Biological Sciences.....	50	445
3. James Evan House, Assistant in Physical Sciences.....	50	484

(\$ 2 485)

**Geography**

1. Fred W. Foster, Professor.....	75	\$ 2 192
2. J. L. Page, Professor.....	100	2 512
3. C. S. Alexander, Associate Professor.....	75	1 434
4. Jerome D. Fellmann, Associate Professor.....	75	1 634
5. Howard G. Roepke, Associate Professor.....	75	1 625
6. _____, Assistant.....	50	445
7. _____, Assistant.....	25	223
8. _____, Assistant.....	25	223

(\$10 288)

**Geology**

1. George W. White, Professor (July 15 to August 10).....	100	\$ 2 067
2. _____, Professor (June 17 to July 13).....	100	1 289
3. Frederick W. Cropp, Assistant Professor.....	100	1 823
4. W. Hilton Johnson, Instructor.....	100	1 400
5. Robert B. Furlong, Assistant.....	100	889
6. Franklin D. Patton, Assistant.....	100	889
7. Donald R. Coates, Visiting Lecturer.....	100	2 000
(Harpur College, Binghamton, New York)		
8. Frank L. Koucky, Visiting Lecturer.....	100	2 000
(University of Cincinnati, Cincinnati, Ohio)		
9. Wilton N. Melhorn, Visiting Lecturer.....	100	2 000
(Purdue University, Lafayette, Indiana)		

(\$14 357)

**German**

1. Henri Stegemeier, Professor.....	100	\$ 2 667
2. Francis J. Nock, Associate Professor.....	100	2 134
3. Otto Dornberg, Instructor.....	50	700
4. Charles B. Giordano, Instructor.....	50	667
5. Ausrele Mary Guckel, Instructor.....	100	1 289
6. Werner Marx, Instructor.....	100	1 423
7. Michael M. Metzger, Instructor.....	100	1 400

8. Walter L. Robbins, Instructor.....	50	700
9. David E. Silas, Instructor.....	100	1 412
10. Thomas C. Starnes, Jr., Instructor.....	100	1 289
		(\$13 681)

**Health and Safety Education**

1. A. E. Florio, Professor.....	50	\$1 528
2. Warren J. Huffman, Associate Professor.....	100	2 312
		(\$3 840)

**History**

1. C. Ernest Dawn, Professor.....	80	\$ 1 974
2. Deno J. Geanakoplos, Professor.....	80	2 098
3. Raymond P. Stearns, Professor.....	80	2 632
4. James L. Bates, Associate Professor.....	80	1 636
5. John B. Sirich, Associate Professor.....	80	1 627
6. Clark C. Spence, Associate Professor.....	100	2 334
7. Robert B. Crawford, Assistant Professor.....	100	1 689
8. Mary Lucille Shay, Assistant Professor.....	100	1 912
9. Arthur Lee Ferrill, Assistant.....	50	445
10. Richard Allen Swanson, Assistant.....	50	445
11. C. Harvey Gardiner, Visiting Lecturer.....	100	3 040
(Southern Illinois University, Carbondale, Illinois)		
12. Ralph J. Roske, Visiting Lecturer.....	100	2 400
(Humboldt State College, Arcata, California)		
		(\$22 232)

**Home Economics**

1. Pearl Z. Janssen, Professor.....	87	\$ 2 031
(See Education).....		(13) (303)
(Total Salary).....		(2 334)
2. Mildred Bonnell, Associate Professor (June 17 to July 13) ..	100	1 056
3. Virginia Guthrie, Assistant Professor (June 17 to July 13) ..	100	845
4. Willie Mae Mowrer, Assistant Professor.....	50	1 889
5. Mary S. Herndon, Instructor.....	50	700
6. Helen House, Assistant (June 17 to July 13).....	100	589
7. _____,.....	50	944
		(\$ 7 110)

**Journalism**

1. Jay W. Jensen, Associate Professor.....	50	\$ 1 528
		(\$ 1 528)

**Law**

1. C. H. Bowman, Professor.....	100	\$ 3 289
2. Kenneth S. Carlston, Professor.....	100	3 556
3. Rubin G. Cohn, Professor.....	100	4 134
4. Wylie H. Davis, Professor.....	100	3 556
5. George T. Frampton, Professor.....	100	4 223
6. Harold W. Holt, Professor.....	100	3 467
7. Eugene F. Scoles, Professor.....	100	4 000
8. Joel F. Handler, Assistant Professor.....	100	2 556
		(\$28 781)

**Graduate School of Library Science**

1. Harold Goldstein, Professor.....	100	\$ 2 378
2. Anne L. Corbitt, Associate Professor.....	100	2 223
3. Winifred Ladley, Associate Professor.....	100	2 067
4. Cora E. Thomassen, Assistant Professor.....	100	1 667
5. Howard W. Cordell, Instructor.....	100	1 334
6. _____, Assistant.....	100	889
7. _____, Assistant.....	100	889
8. _____, Assistant.....	100	889
9. _____, Assistant.....	50	445
10. Ann M. Fox, Visiting Lecturer.....	100	1 400
(609 West Healey Street, Champaign, Illinois)		

11. Margaret Oldfather, Visiting Lecturer.....	100	1 800
(Ohio State University, Columbus, Ohio)		
12. Ralph H. Parker, Visiting Lecturer.....	100	2 000
(1104 South Glenwood, Columbia, Missouri)		
13. ———, Visiting Lecturer.....	100	1 800
		(\$19 781)

**Management**

1. M. J. Mandeville, Professor.....	100	\$ 3 156
2. Irvin L. Heckmann, Jr., Associate Professor.....	100	2 378
3. Donald L. Perry, Assistant.....	50	445
		(\$ 5 979)

**Marketing**

1. Fred M. Jones, Professor.....	100	\$ 2 734
2. Donald W. Scotton, Associate Professor.....	100	2 400
		(\$ 5 134)

**Mathematics**

1. Colin R. Blyth, Professor.....	50	\$ 1 445
2. Henry J. Miles, Professor.....	55	1 378
3. William A. Ferguson, Associate Professor.....	50	1 056
4. R. G. Langebartel, Associate Professor.....	100	2 178
5. Harlan G. H. Bartram, Assistant Professor.....	100	1 889
6. George R. Blakley, Assistant Professor.....	100	1 734
7. Clarence Phillips, Assistant Professor.....	50	789
(See Education) .....	(50)	(789)
(Total Salary) .....		(1 578)
8. Neal J. Rothman, Assistant Professor.....	100	1 778
9. Paul M. Weichsel, Assistant Professor.....	100	1 778
10. Gordon E. Brown, Instructor.....	100	1 445
11. John A. Eagon, Instructor.....	100	1 600
12. William J. Leahey, Instructor.....	100	1 667
13. Chin-Pi Lu, Instructor.....	100	1 600
14. George H. Orland, Instructor.....	100	1 667
15. R. Venka Rao, Instructor.....	100	1 556
16. Donald R. Sherbert, Instructor.....	100	1 445
17. ———, Assistant .....	100	889
18. ———, Assistant .....	100	889
19. ———, Assistant .....	100	889
20. ———, Assistant .....	100	889
21. ———, Assistant .....	100	889
22. ———, Assistant .....	100	889
23. ———, Assistant .....	50	445
24. ———, Assistant .....	50	445
25. ———, Assistant .....	50	445
26. ———, Assistant .....	50	445
27. ———, Assistant .....	50	445
28. ———, Assistant .....	50	445
29. ———, Assistant .....	50	445
30. ———, Assistant .....	50	445
31. ———, Assistant .....	50	445
32. ———, Assistant .....	50	445
33. ———, Assistant .....	33	297
34. ———, Assistant .....	33	297
		(\$35 383)

**Mechanical and Industrial Engineering**

1. Eugene F. Hebrank, Professor.....	100	\$ 2 534
2. William L. Hull, Professor.....	100	2 756
3. Edwin D. Luke, Professor.....	100	2 600
4. Eugene I. Radzimovsky, Professor.....	100	2 667
5. Willard E. Bair, Associate Professor.....	50	1 078
6. James W. Bayne, Associate Professor.....	100	2 089
7. Wen Lung Chow, Associate Professor.....	50	1 123



8. Wilbert F. Stoecker, Associate Professor.....	50	1 123
9. Ross P. Strout, Associate Professor.....	50	956
10. Parker H. Badger, Lecturer.....	50	934
11. Ronald H. Howell, Instructor.....	50	734
12. S. Ramalingam, Instructor.....	50	745
13. Morse B. Singer, Instructor.....	50	834
14. Gerald W. Hartke, Assistant.....	33	326
15. James J. Stukel, Assistant.....	50	489
		(\$20 988)

**Microbiology**

1. Joan McCamish, Instructor.....	100	\$ 1 667
2. Alice C. Helm, Assistant.....	100	889
3. ———, Assistant.....	50	445
4. ———, Assistant.....	50	445
		(\$ 3 446)

**Music**

1. Bjornar Bergethon, Professor.....	50	\$ 1 356
2. Harold A. Decker, Professor.....	75	2 100
3. Bruce R. Foote, Professor.....	100	2 889
4. Scott Goldthwaite, Professor.....	100	2 712
5. Mark H. Hindsley, Professor.....	33	985
6. J. Robert Kelly, Professor.....	100	2 312
7. Charles Leonhard, Professor.....	100	2 956
8. A. J. McDowell, Professor.....	100	2 223
9. Paul S. Pettinga, Professor.....	100	2 512
10. Dragan Plamenac, Professor.....	100	2 956
11. Paul Rolland, Professor.....	50	1 345
12. Haskell O. Sexton, Professor.....	50	1 178
13. Robert H. Swenson, Professor.....	50	1 134
14. Gilbert R. Waller, Professor.....	75	1 777
15. Grace E. Wilson, Professor.....	75	1 700
16. Ludwig Zirner, Professor.....	75	1 900
17. Andrew Morris Carter, Associate Professor.....	25	529
18. Robert E. Gray, Associate Professor.....	67	1 260
19. King Kellogg, Associate Professor.....	50	1 112
20. Everett D. Kisinger, Associate Professor.....	25	589
(See University of Illinois Bands).....	(50)	(1 178)
(Total Salary).....		(1 767)
21. William H. Miller, Associate Professor.....	50	956
22. Robert E. Thomas, Associate Professor.....	100	2 000
23. Edward S. Berry, Jr., Assistant Professor.....	25	394
24. Blaine E. Edlefsen, Assistant Professor.....	50	778
25. Thomas L. Holden, Assistant Professor.....	33	600
26. Howard Karp, Assistant Professor.....	100	1 956
27. Edward J. Krollick, Assistant Professor.....	33	534
28. Royal B. MacDonald, Assistant Professor.....	100	1 667
29. Eric L. Dalheim, Instructor.....	100	1 200
30. Clayton Henderson, Instructor.....	75	1 084
31. James B. Lyke, Instructor.....	50	778
32. Marilyn R. Pfederer, Instructor.....	33	548
33. Alan R. Thomas, Instructor.....	100	1 623
34. Milan Kaderavek, Assistant.....	50	445
35. Jane Schleicher, Assistant.....	33	297
36. ———, Assistant.....	100	889
37. ———, Assistant.....	100	889
38. ———, Assistant.....	100	889
39. ———, Assistant.....	100	889
40. Ronald Fink, Visiting Lecturer.....	33	297
(Hartsburg-Emden High School, Hartsburg, Illinois)		
41. ———, Visiting Lecturer.....	100	2 500
42. ———, Visiting Lecturer.....	67	1 500
		(\$58 228)

**Nuclear Engineering**

1. Marvin E. Wyman, Professor.....	50	\$ 1 689
2. Daniel F. Hang, Associate Professor.....	50	1 167
3. George H. Miley, Assistant Professor.....	50	923
4. Bernard W. Wehring, Assistant.....	50	489
5. Dayton D. Wittke, Assistant.....	50	489
		(\$ 4 757)

**Philosophy**

1. D. W. Gotshalk, Professor.....	12½	\$ 462
2. _____, Professor.....	100	3 300
3. Harry M. Tiebout, Jr., Associate Professor.....	67	1 378
4. _____, Assistant Professor.....	100	1 600
5. _____, Assistant Professor.....	100	1 550
6. John F. Logan, Instructor.....	100	1 445
		(\$ 9 735)

**Physical Education for Men**

1. T. K. Cureton, Jr., Professor.....	100	\$ 3 612
2. Alfred W. Hubbard, Professor.....	100	2 400
3. Alan J. Barry, Assistant Professor.....	100	1 900
4. Howard J. Braun, Assistant Professor.....	25	445
5. Ralph E. Fletcher, Assistant Professor.....	33	689
6. William L. Hottinger, Instructor.....	25	369
7. Roy J. Keller, Instructor.....	60	800
8. Robert D. Leigh, Instructor.....	25	322
9. Eugene C. Stauber, Instructor.....	25	433
10. Linwood G. Bechtel, Assistant.....	25	300
11. Peter T. Magnabosco, Assistant.....	25	250
12. Michael A. Sherman, Assistant.....	25	297
13. John M. Cooper, Visiting Lecturer.....	100	3 200
(University of Southern California, Los Angeles, California)		(\$15 017)

**Physical Education for Women**

1. Beulah J. Drom, Assistant Professor.....	50	\$ 873
2. Olive G. Young, Associate Professor.....	50	928
3. Florence Patricia Cullen, Instructor.....	50	795
4. Marjorie M. Harris, Instructor.....	75	1 084
5. Marjorie A. Souder, Instructor.....	50	723
6. Madeline Dasch, Assistant.....	25	223
		(\$ 4 626)

**Physics**

1. _____, Visiting Lecturer.....	100	\$ 2 400
2. _____, Visiting Lecturer.....	100	2 400
3. _____, Visiting Lecturer.....	100	2 400
4. _____, Assistant.....	50	467
5. _____, Assistant.....	50	467
6. _____, Assistant.....	50	467
		(\$ 8 601)

**Physiology and Biophysics**

1. John D. Anderson, Associate Professor.....	100	\$ 2 323
2. Stanley G. Stolpe, Associate Professor.....	100	1 934
3. _____, Assistant.....	50	445
4. _____, Assistant.....	50	445
5. _____, Assistant.....	50	445
		(\$ 5 592)

**Political Science**

1. Richard L. Butwell, Associate Professor.....	100	\$ 1 934
2. Denis G. Sullivan, Assistant Professor.....	100	1 600
3. Louis H. Douglas, Visiting Lecturer.....	100	2 600
(Department of Economics and Sociology, Area Development, Waters Hall 328, Manhattan, Kansas)		(\$ 6 134)

**Psychology**

1. Lloyd G. Humphreys, Professor.....	50	\$ 1 945
2. Jozef B. Cohen, Associate Professor.....	100	2 034
3. W. G. McAllister, Associate Professor.....	100	1 845
4. Raymond W. Frankmann, Assistant Professor.....	100	1 845
5. ———, Assistant Professor.....	50	834
6. Willhem A. T. Meuwese, Instructor.....	50	734
7. ———, Assistant.....	50	445
8. James M. Alsobrook, Visiting Lecturer.....	50	778
(316 Gregory Hall, Urbana, Illinois)		
9. Pearl M. Gore, Visiting Lecturer.....	100	1 556
(1005 West Nevada Street, Urbana, Illinois)		
		(\$12 016)

**Recreation and Municipal Park Administration**

1. Charles K. Brightbill, Professor.....	100	\$ 3 734
2. Maxwell R. Garret, Associate Professor.....	75	1 367
3. Mary V. Frye, Instructor.....	75	1 184
		(\$ 6 285)

**Russian**

1. Ralph E. Matlaw, Associate Professor.....	100	\$ 3 000
2. Victor Terras, Assistant Professor.....	50	850
3. ———, Instructor.....	100	1 334
4. Borys Bilokur, Assistant.....	50	445
5. Fred Thayer, Assistant.....	50	445
6. ———, Assistant.....	50	445
7. ———, Assistant.....	50	445
		(\$ 6 964)

**Sociology**

1. Erich A. Ahrens, Associate Professor.....	100	\$ 1 912
2. Bernard M. Lazerwitz, Assistant Professor.....	100	1 978
3. Richard F. Tomasson, Assistant Professor.....	100	1 667
		(\$ 5 557)

**Spanish, Italian, and Portuguese**

1. J. H. D. Allen, Professor.....	100	\$ 2 667
2. Luis Leal, Professor.....	100	2 334
3. Joseph S. Flores, Associate Professor.....	100	2 289
4. Merlin H. Forster, Assistant Professor.....	100	1 667
5. S. W. Baldwin, Jr., Instructor.....	100	1 400
6. Lucille V. Braun, Instructor.....	50	700
7. William C. Blaylock, Assistant.....	50	689
8. David Hernandez, Assistant.....	75	667
		(\$12 413)

**Speech and Theatre**

1. Halbert E. Gulley, Professor.....	50	\$ 1 167
2. Lee S. Hultzen, Professor.....	50	1 178
3. Richard Murphy, Professor.....	100	2 689
4. Raymond E. Nadeau, Professor.....	50	1 156
5. Severina E. Nelson, Professor.....	50	1 256
6. John Wesley Swanson, Professor.....	100	2 512
7. Clara M. Behringer, Associate Professor.....	50	967
(See University Theatre).....		(967)
(Total Salary).....		(1 934)
8. King W. Broadrick, Associate Professor.....	50	1 012
9. Kenneth Burns, Associate Professor.....	50	945
10. Delmond N. Bennett, Assistant Professor.....	50	778
11. Vincent W. Byers, Assistant Professor.....	100	1 645
12. Chester C. Long, Assistant Professor.....	50	778
13. Lawrence W. Olson, Assistant Professor.....	50	867
14. Thomas O. Sloan, Assistant Professor.....	50	834
15. Willard R. Zemlin, Assistant Professor.....	50	823
16. Robert Noel Hall, Instructor.....	50	700
17. ———, Visiting Lecturer.....	50	875
		(\$20 182)

**Speech and Hearing Clinic**

1. Naomi W. Hunter, Assistant Professor.....	50	\$ 734
2. Frances L. Johnson, Assistant Professor.....	100	1 556
3. Marie O. Shere, Assistant Professor.....	50	800
4. Jane B. Archer, Instructor.....	100	1 145
5. E. Walter Loftiss, Assistant.....	50	445
6. Carl E. Williams, Assistant.....	50	445
		(\$ 5 125)

**University Theatre**

1. Clara M. Behringer, Associate Professor.....	50	\$ 967
(See Speech and Theatre).....	(50)	(967)
(Total Salary) .....		(1 934)
2. Genevieve Richardson, Assistant Professor.....	75	1 242
3. Webster L. Smalley, Assistant Professor.....	50	856
4. _____, Assistant .....	25	223
5. _____, Assistant .....	25	223
6. _____, Assistant .....	25	223
7. _____, Assistant .....	25	223
8. _____, Assistant .....	25	223
9. _____, Assistant .....	25	223
10. _____, Assistant .....	25	223
11. _____, Assistant .....	25	223
12. _____, Assistant .....	25	223
13. Alan G. Billings, Visiting Lecturer.....	75	1 200
(56 West Delaware Avenue, Newark, Delaware)		
14. _____, Visiting Lecturer.....	50	875
		(\$ 7 147)

**Theoretical and Applied Mechanics**

1. Cletus Edward Bowman, Professor.....	67	\$ 1 645
2. Marilyn E. Clark, Professor.....	50	1 134
3. Paul Guy Jones, Professor.....	67	1 926
4. Clyde E. Kesler, Professor.....	25	650
5. Henry L. Langhaar, Professor.....	50	1 889
6. Wallace M. Lansford, Professor.....	100	3 023
7. Omar M. Sidebottom, Professor.....	50	1 334
8. James O. Smith, Professor.....	75	2 384
9. Horatio M. Fitch, Assistant Professor.....	50	912
10. Russell S. Jensen, Assistant Professor.....	100	1 800
		(\$16 697)

**Zoology**

1. Hurst H. Shoemaker, Associate Professor.....	100	\$ 1 823
2. Willie Mae Campbell, Assistant.....	50	445
3. David B. Crandall, Assistant.....	50	445
4. Richard Rayle, Assistant.....	50	445
5. Daniel Stern, Assistant.....	50	445
6. Catherine Verhey, Assistant.....	50	445
7. Joseph White, Assistant.....	50	445
8. A. A. Johnson, Visiting Lecturer.....	100	1 800
(Hendrix College, Conway, Arkansas)		
9. A. B. Leonard, Visiting Lecturer.....	100	2 000
(University of Kansas, Lawrence, Kansas)		
Total, Urbana-Champaign .....		(\$ 8 293)
		\$862 919

**Departmental Wages, Expense, and Equipment**

Anthropology	
Expense.....	\$ 1 250
Cahokia Mounds .....	\$500
Rock River Valley.....	500
Ecuador.....	250
Child Development	
Expense.....	200

Civil Engineering Surveying Camp	
Wages, Expense, and Equipment.....	7 700
Education	
Wages and Expense.....	2 245
Honoraria.....	900
Forestry Camp	
Wages.....	840
Expense.....	2 660
Geography	
Expense.....	300
Recreation	
Expense.....	1 360
Stipends for Supervisors.....	1 155
Total, Wages, Expense, and Equipment.....	\$18 610

## MEDICAL CENTER

## College of Pharmacy

	Per Cent Time	Summer Salary
Chemistry		
1. Charles L. Bell, Assistant Professor (July 29 to September 7)	100	\$ 1 409
2. Dominick Coviello, Assistant Professor (June 17 to July 27)	100	1 409
3. Bernard J. Kurtin, Instructor in Physics (June 17 to July 27)	100	1 134
4. McLouis J. Robinet, Instructor (July 29 to September 7)...	100	884
5. Bih-Jau Gau, Assistant (June 17 to July 27).....	50	334
6. Lee Timothy Grady, Assistant (July 29 to September 7)....	50	334
7. Dennis Pogany, Assistant (July 29 to September 7).....	50	334
8. Karl A. Roseman, Assistant (June 17 to July 27).....	50	334
9. Martin Schreiber, Assistant (June 17 to July 27).....	50	334
10. James P. Shoffner, Assistant (July 29 to September 7).....	50	334
		(\$ 6 840)

## Pharmacy

1. Herbert M. Emig, Associate Professor (June 17 to July 13; July 29 to August 10).....	100	1 734
2. Frederick Siegel, Assistant Professor (June 17 to July 27) ..	100	1 550
3. Bernard Ecanow, Assistant Professor (August 12 to September 7) .....	100	1 012
4. Elfriede Bammer, Assistant (June 17 to September 7).....	50	667
		(\$ 4 963)
Total, College of Pharmacy.....		\$11 803

## CHICAGO UNDERGRADUATE DIVISION

## Art

	Per Cent Time	Summer Salary
1. John D. McNee, Professor.....	100	\$ 2 267
		(\$ 2 267)

## Biological Sciences

1. Kenneth M. Madison, Professor.....	50	\$ 1 200
2. Max C. Shank, Professor.....	75	1 734
3. Sidney F. Glassman, Associate Professor.....	50	1 078
4. Ellis B. Little, Associate Professor.....	50	945
5. James A. Bond, Assistant Professor.....	50	778
6. John C. Hadder, Assistant Professor.....	100	1 723
7. John T. Newell, Assistant Professor.....	50	834
8. John L. Sarkissian, Instructor.....	50	600
9. Paul J. Taxey, Instructor.....	50	556
		(\$ 9 448)

## Commerce and Business Administration

1. Lucile Derrick, Professor of Economics.....	80	\$ 1 992
2. W. D. Grampp, Professor of Economics.....	100	2 367
3. Alfonse T. Malinosky, Associate Professor of Accountancy..	50	912

4. Albert J. Schneider, Associate Professor of Accountancy....	100	2 245
5. Daniel K. Andrews, Assistant Professor of Accountancy....	100	1 656
6. Winifred B. Geldard, Assistant Professor of Economics....	100	1 589
7. Carl M. Larson, Assistant Professor of Marketing.....	100	1 756
8. Armor J. Fair, Instructor in Management.....	100	1 445
9. Edward T. Ossman, Instructor in Accountancy.....	100	1 178
		(\$15 140)

**Engineering**

1. C. I. Carlson, Professor of General Engineering.....	100	\$ 2 978
2. Herman J. Johnson, Associate Professor of Physics.....	100	1 956
3. Harold M. Skadeland, Associate Professor of Physics.....	100	2 223
4. H. B. Weissman, Associate Professor of Physics.....	100	2 067
5. F. P. Wiesinger, Associate Professor of Civil Engineering..	100	2 023
6. Ogden Livermore, Assistant Professor of Physics.....	100	1 689
7. Fishel E. Moraine, Assistant Professor of Physics.....	100	1 778
8. A. F. Silkett, Assistant Professor of Physics.....	100	1 800
9. _____	100	1 750
		(\$18 264)

**Humanities**

1. Jose Sanchez, Professor of Foreign Languages.....	67	\$ 1 541
2. Arnold J. Hartoch, Associate Professor of Foreign Languages	50	1 045
3. Falk S. Johnson, Associate Professor of English.....	100	2 156
4. Moreen Jordan, Associate Professor of English.....	100	1 823
5. Robert Kauf, Associate Professor of Foreign Languages...	100	2 023
6. Marie E. Lein, Associate Professor of Foreign Languages..	67	1 304
7. Zelma B. Leonhard, Associate Professor of English.....	100	1 823
8. John O. Marsh, Jr., Associate Professor of Foreign Languages	67	1 260
9. Samuel A. Weiss, Associate Professor of English.....	100	1 823
10. Robert E. Gallagher, Assistant Professor of English.....	100	1 667
11. John H. Mackin, Jr., Assistant Professor of English.....	100	1 634
12. Kathryn H. Carlson, Instructor in English.....	100	1 423
13. Russell E. Davis, Instructor in English.....	100	1 378
14. Ruby V. deGryse, Instructor in Speech.....	100	1 378
15. Eleanor K. Harris, Instructor in English.....	100	1 334
16. Conde R. Hoskins, Instructor in Speech.....	100	1 556
17. Mary C. Sidney, Instructor in English.....	50	623
18. Ruta O. Lukas, Assistant in Foreign Languages.....	67	682
19. Charles A. Wright, Assistant in Foreign Languages.....	100	1 067
		(\$27 540)

**Mathematics**

1. Irwin K. Feinstein, Professor.....	100	\$ 2 223
2. Evelyn Frank, Professor.....	83	2 075
3. Herbert J. Curtis, Associate Professor.....	83	1 871
4. Flora Dinkines, Associate Professor.....	83	1 741
5. Kenneth H. Murphy, Assistant Professor.....	100	1 823
6. Winifred V. Berglund, Instructor.....	100	1 578
7. Louis I. Gordon, Instructor.....	100	1 512
8. U. Stanley Naikelis, Instructor.....	100	1 289
9. Charles E. Olsen, Instructor.....	83	1 260
10. Thomas B. Ondrak, Instructor.....	83	1 260
11. Helen W. Sears, Instructor.....	83	1 223
12. Laurence R. Sjoblom, Instructor.....	83	1 149
		(\$19 004)

**Physical Education**

1. Helen M. Barton, Professor of Physical Education for Women.....	50	\$ 1 134
2. Peter R. Berrafato, Associate Professor of Physical Education for Men.....	50	945
3. Sheldon L. Fordham, Associate Professor of Physical Education for Men.....	50	1 056
4. Leo L. Gedvilas, Associate Professor of Physical Education for Men.....	50	1 023

5. Benedict Montcalm, Assistant Professor of Physical Education for Men.....	50	834
6. Harold H. Nemoto, Instructor in Physical Education for Men.....	100	1 312
7. George J. Strnad, Instructor in Physical Education for Men..	50	745
8. Ruth Thomas, Assistant in Physical Education for Women..	50	556
		(\$ 7 605)

**Physical Sciences**

1. Joseph Bachrach, Associate Professor.....	100	\$ 2 023
2. H. J. Mueller, Associate Professor.....	100	1 889
3. Anatol Gottlieb, Assistant Professor.....	100	1 667
4. Rosalind Klaas, Assistant Professor.....	100	1 723
5. John F. Steiner, Assistant Professor.....	100	1 667
6. Milton Yusem, Assistant Professor.....	100	1 500
7. Lynn Carbonaro, Instructor.....	67	1 008
8. Shafeek Farag, Instructor.....	100	1 378
9. Donald D. Hedberg, Instructor.....	100	1 378
10. Louis N. Kurs, Instructor.....	100	1 467
11. Eileen Pare, Instructor.....	100	1 334
12. George Sackheim, Instructor.....	50	800
13. Frances K. Seabright, Instructor.....	67	1 008
14. Thomas A. Lothian, Assistant.....	50	623
		(\$19 465)

**Social Sciences**

1. Peter P. Klassen, Professor of Sociology.....	100	\$ 2 534
2. Daniel J. Morris, Professor of Philosophy.....	100	2 312
3. Shirley A. Bill, Associate Professor of History.....	67	1 304
4. Robert E. Corley, Associate Professor of Sociology.....	50	945
5. Allen H. Howard, Associate Professor of Psychology.....	67	1 260
6. Twiley W. Barker, Associate Professor of Political Science.....	100	2 000
7. Walter B. Asch, Assistant Professor of History.....	67	963
8. Vivian C. Lipman, Assistant Professor of Psychology.....	100	1 500
9. Nan E. McGehee, Assistant Professor of Psychology.....	100	1 445
10. Milton Rakove, Assistant Professor of Political Science.....	100	1 723
11. George A. Rheumer, Assistant Professor of Geography.....	67	1 297
12. Madelaine Shalabi, Assistant Professor of Education.....	100	1 556
13. Robert R. Page, Instructor in Philosophy.....	50	712
14. Richard K. Smith, Instructor in History.....	67	815
15. Charles P. Warren, Instructor in Anthropology.....	67	949
16. John B. Durant, Assistant in History.....	67	667
17. Enid Hill, Assistant in Political Science.....	50	556
18. Rogene Hunt, Visiting Lecturer in History.....	67	652
(5461 Everett, Chicago 15, Illinois)		
19. ———, Visiting Lecturer in Anthropology.....	67	900
20. ———, Visiting Lecturer in History.....	67	1 200
		(\$25 290)
<i>Total, Chicago Undergraduate Division.....</i>		<i>\$144 023</i>

**APPOINTMENTS TO THE FACULTY**

(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. MARY RUE BUCHER, Assistant Professor of Sociology, Department of Psychiatry, College of Medicine, beginning January 1, 1963, at an annual salary of \$10,250 (DY).
2. HERBERT S. CARLIN, Chief Pharmacist and Assistant Professor of Hospital Pharmacy, College of Pharmacy, beginning January 1, 1963, at an annual salary of \$14,000 (DY).
3. HANS P. LAUBSCHER, Visiting Associate Professor of Geology, for the academic year 1963-64, at a salary of \$10,000 (E).
4. WILLIAM E. NEVILLE, Clinical Assistant Professor of Surgery, College of Medicine, beginning December 1, 1962, without salary (DY).

On motion of Mr. Williamson, these appointments were confirmed.

#### HEADSHIP OF THE DEPARTMENT OF AGRONOMY

(4) The Dean of the College of Agriculture recommends the appointment of Dr. Marlowe Driggs Thorne, Professor of Agronomy and Head of the Department at Oklahoma State University, as Professor of Agronomy on indefinite tenure and Head of the Department of Agronomy beginning March 15, 1963, at a salary of \$19,500 a year on a twelve-month service basis.

This appointment is to fill the vacancy created by the promotion of Professor M. B. Russell, former Head of the Department, to the position of Associate Director of the Agricultural Experiment Station.

A search committee<sup>1</sup> appointed by the Dean to consider candidates for the position of Head of the Department of Agronomy invited recommendations from all members of the Department and from other sources, and submitted the names of several candidates whom the committee felt possessed the necessary qualifications for the headship position. Dr. Thorne was among the top candidates in this list, and letters of recommendation and personal interviews with persons well acquainted with his competence and effectiveness as an administrator support the Committee's recommendation. All members of the Department of professorial rank have been consulted and the recommendation is supported by the Executive Committee of the College and Station, the Dean of the Graduate College, and the Executive Vice-President and Provost.

I recommend approval of this appointment.

On motion of Mr. Hughes, this appointment was approved.

#### PAYMENT OF UNIVERSITY FEES AND HOUSING CHARGES ON INSTALLMENTS

(5) The Vice-President for the Medical Center and the Vice-President and Comptroller recommend authorization of an optional installment plan effective in September, 1963, for payment of tuition, fees, and residence hall charges by students at the Medical Center; and extension of this plan with respect to payment of fees to the Chicago Undergraduate Division and to Congress Circle:

1. Tuition and fees for each quarter will be collected in three installments, one-third payable at registration, and one-third in each of the following two months.
2. Housing charges will be collected monthly in advance.
3. Students electing the installment plan for payment of tuition and fees will be assessed a \$2.00 service charge; however, there will be no service charge for payment of University housing accounts in installments.

This is similar to the installment plan in effect at the Urbana campus, approved by the Board of Trustees March 12, 1959.

I concur.

On motion of Mr. Swain, this recommendation was approved; and extension of this plan to include the Chicago Undergraduate Division and Congress Circle with respect to installment payment of fees when and if there is a need for the same was authorized.

#### CHANGES IN REQUIREMENTS FOR GRADUATION IN THE ADVERTISING CURRICULUM

(6) The Urbana-Champaign Senate has approved a recommendation from the faculty of the College of Journalism and Communications that two courses, Journalism 204, Typography, and Journalism 211, Newswriting, be dropped as requirements for graduation in the advertising curriculum of that College, effective immediately. This change is to enable students to take more elective courses in the humanities and social sciences.

The Senate Coordinating Council has indicated no other Senate jurisdiction is involved.

I concur.

On motion of Mr. Williamson, this recommendation was approved.

<sup>1</sup>Walter O. Scott, Professor of Crops Extension, Chairman; Denton E. Alexander, Associate Professor of Plant Genetics; Wayne M. Bever, Professor of Plant Pathology and Head of the Department; Daniel F. Dayton, Associate Professor of Plant Breeding; John R. Laughnan, Professor of Plant Genetics and of Botany; Sigurd W. Melsted, Professor of Soil Chemistry; Fred W. Slife, Professor of Crop Production; Frank J. Stevenson, Professor of Soil Chemistry.



### NEW CURRICULUM OPTION IN HOME ECONOMICS

(7) The Urbana-Champaign Senate has approved a recommendation from the College of Agriculture and the Department of Home Economics for authorization of a new option, foods and business, in the undergraduate curriculum in home economics. In addition to meeting the other requirements in the home economics curriculum, the following specific courses will be included in the new option: Home Economics 220, Dietetics; 231, Foods; and 330, Experimental Foods, are required. Six additional hours are to be selected from Home Economics 326, Demonstration Problems and Techniques; 331, Problems in Foods; and 375, Home Equipment. Journalism 211, Newswriting; Marketing 101, Principles of Marketing; Rhetoric 151, Business Letter Writing; and Speech 101, Principles of Effective Speaking, are required, and an additional twelve hours are to be selected from Accountancy 201, Fundamentals of Accounting; Advertising 281, Introduction to Advertising; Home Economics 240, Quantity Food Production and Service; 322, Physical Growth and Nutrition; Journalism 223, Photo-Journalism; 326, Magazine Article Writing; Management 248, Personnel Administration; Radio and Television 264, Radio and Television Performance; and Speech 111, Business and Professional Speaking.

No new courses are involved in this change as all those listed are now being offered. The option is being established to meet a student demand for such a program to provide training in various phases of the foods industry.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I concur.

On motion of Mr. Johnston, this curriculum was approved.

### CURRICULUM IN MEDICAL ART

(8) The three Senates recommend, the Senate Coordinating Council concurring therein, authorization, effective in September, 1963, of a new curriculum in medical art leading to the degree of Bachelor of Science in Medical Art, to be conferred by the College of Fine and Applied Arts at Urbana.

Requirements for admission to this curriculum will be the same as those for admission to other curricula in art. The curriculum in medical art will consist of five years of study, the first three years at Urbana-Champaign and the fourth and fifth years at the Medical Center. During the first three years, physical and biological sciences and art, particularly drawing, will be emphasized. A total of ninety-five semester hours, with a minimum scholastic average of 3.5, will be required for admission to the fourth and fifth years at the Medical Center. Study during the final two years will include work in the anatomy laboratories and in medical art studios to develop skills and techniques in all media of illustration.

The standard residence requirement will be applicable: a student must earn the first ninety semester hours or the last thirty hours in residence at Urbana. In this curriculum, the last thirty semester hours prior to study at the Medical Center may be used in lieu of the last thirty hours prior to receipt of a degree.

This new program involves no budgetary increases. The courses to be given are now being offered by the several departments at Urbana-Champaign and by the Department of Medical Art at the Medical Center.

This new, degree-granting curriculum will replace a present certificate program in medical art now offered at the Medical Center. Degrees in medical art are being offered at three of the seven medical art schools in the United States and the University of Illinois should continue to maintain leadership in the training of medical artists for whom there is an increasing demand.

Submitted herewith is a supporting statement giving the details of this new program, a copy of which is being filed with the Secretary of the Board for record.

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mrs. Watkins, this recommendation was approved.

### CURRICULUM IN GENERAL MEDICAL TECHNOLOGY

(9) The three Senates recommend, the Senate Coordinating Council concurring therein, authorization, effective in September, 1963, of a new curriculum in general

medical technology leading to the degree of Bachelor of Science to be conferred by the College of Medicine.

The curriculum will cover four years of study, the first three years, or ninety semester hours, to be offered in the College of Liberal Arts and Sciences and the fourth year at the College of Medicine. Entrance requirements will be the same as those for admission to the general curriculum in the College of Liberal Arts and Sciences. Minimum requirements for admission to the fourth year will be ninety semester hours, exclusive of the general University requirements in physical education and military training, with a minimum scholastic average of 3.0.

Enrollment is expected to be moderate so that it is not anticipated additional staff will be required. One new course in veterinary medical technology must be added.

There are shortages of trained personnel in all health services, especially medical record librarians and laboratory technologists; not enough are currently available to meet the staffing requirements of hospitals in Illinois. By establishing educational programs for the allied professional health groups, the University will not only train personnel in these fields but will give leadership to other existing programs thus improving their quality.

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mrs. Watkins, this recommendation was approved.

#### **CURRICULUM IN MEDICAL RECORD ADMINISTRATION**

(10) The three Senates recommend, the Senate Coordinating Council concurring therein, authorization, effective in September, 1963, of a new curriculum in medical record administration leading to the degree of Bachelor of Science, to be conferred by the College of Medicine.

The curriculum will cover four years of study, the first three years, or ninety semester hours, in the College of Liberal Arts and Sciences and the fourth year in the College of Medicine. Requirements for admission to the preprofessional part of the curriculum will be the same as for admission to the general curriculum in the College of Liberal Arts and Sciences. Requirements for admission to the fourth year will be ninety semester hours of preprofessional work in liberal arts and sciences, exclusive of the general University requirements in physical education and basic military training, with a minimum scholastic average of 3.0 and including certain specified subjects:

One year of rhetoric, Rhetoric 101 and 102, Freshman Rhetoric and Composition; or one year of Verbal Communication, Division of General Studies 111 and 112;

A reading knowledge of a foreign language equivalent to that resulting from four semesters of college study; each year of foreign language completed in high school will be accepted as the equivalent of one semester in college;

General education sequences in the humanities and social sciences including: Physiology 103, Introduction to Human Physiology; Zoology 104, Elementary Zoology; Psychology 100, Introduction to Psychology; and Psychology 101, Human Nature and Social Relations;

Physiology 234, Human Anatomy and Physiology;

Electives sufficient to complete the ninety hours required.

A Committee on Admissions to be appointed by the Executive Vice-President and Provost and including representatives of the College of Medicine, the College of Liberal Arts and Sciences, and the Office of Admissions and Records, will select applicants for admission to the fourth year on the basis of scholastic records, aptitude, and personal qualifications for professional training in this field.

Enrollment is expected to be moderate and it is not anticipated that additional staff will be required. One new course, Veterinary Medical Technology, must be added. (It should be noted that this course will also service the proposed new program in medical technology.)

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mrs. Watkins, this recommendation was approved.

### CONTRACTS FOR AIR-CONDITIONING EAST DENTISTRY-MEDICINE-PHARMACY BUILDING

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for air conditioning in the East Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

General — Simpson Construction Company, Chicago.....	\$25 257
Ventilating — Reliable Sheet Metal Works, Inc., Chicago.....	46 477
Base bid .....	\$43 777
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	2 700
Heating and Temperature Controls — National Heat and Power Com- pany, Inc., Chicago.....	24 954
Plumbing — O'Callaghan Bros., Inc., Chicago.....	395
Electrical — Hatfield Electric Company, Chicago.....	2 763
<i>Total Contracts</i> .....	<u>\$99 846</u>

The work will include furnishing and installing equipment and supply systems to complete the air conditioning of the major areas in the East Dentistry-Medicine-Pharmacy Building.

It is further recommended that all contracts other than the contract for ventilating work be assigned to the contractor for that work, making the total of his contract price \$99,846; and that an agreement be entered into with Reliable Sheet Metal Works, Inc., for the assignment of these other contracts for \$2,700 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the ventilating contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of bids received is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

### CONTRACTS FOR CONSTRUCTION OF COORDINATED SCIENCE LABORATORY, PHASE I

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for the construction of Phase I of the Coordinated Science Laboratory, the award in each case being to the lowest bidder:

General — C. A. Petry and Sons, Inc., Champaign.....	\$101 495
Base bid .....	\$98 430
Additive alternates for loading dock and canopy, vinyl as- bestos floor tile on second floor, and painting.....	3 065
Electrical — G. L. Wilsky, an individual doing business as Downtown Electric, Urbana .....	18 675
Plumbing — Reliable Plumbing and Heating Company, Champaign.....	13 452
Heating, Piping, Refrigeration, and Automatic Temperature Control Systems — Reliable Plumbing and Heating Company, Champaign...	25 581
Base bid .....	\$23 684
Additive alternate for cooling cycle for the eight-room ven- tilating type units.....	1 897
Ventilating — Petry Roofing and Sheet Metal Company, Champaign....	2 625
<i>Total Contracts</i> .....	<u>\$161 828</u>

It is also recommended that a combined contract be awarded to the Reliable Plumbing and Heating Company in the amount of \$39,033, being the total of the amounts bid by that Company on the plumbing, and on heating, piping, refrigeration, and automatic temperature control systems.

Departmental funds are available for the construction.

Submitted herewith is a supporting statement from the Physical Plant Department, including the schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

#### CONTRACT FOR REROOFING DAVENPORT HALL

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract to Lloyd Hitchins, an individual doing business as Hitchins Roofing Company, Urbana, the lowest bidder, for reroofing the west section of Davenport Hall, at a total price of \$36,692, being the amount of the base bid plus an additive alternate for flat seam copper roofing instead of built-up composition roofing.

Funds are available in the Physical Plant Department budget.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

#### CONTRACT FOR ELECTRIC POWER SERVICE IMPROVEMENTS

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract to Square Deal Electrical Contracting, Inc., Urbana, the lowest bidder, for improvements in the electric power service in nine buildings on the Urbana-Champaign campus to correct electrical deficiencies, at a contract price of \$181,021, which is the base bid for improvements in six buildings plus alternate bids on improvements in three additional buildings.

The work will include improvement of transformer vaults and switchboard revisions in the Chemistry Annex, Dairy Manufactures Building, Transportation Building, Women's Gymnasium, Veterinary Clinic (Small Animal), Electrical Engineering Research Laboratory, George Huff Gymnasium, Smith Music Hall, and the English Building, and will provide for expansion and improvement of electrical power service in all these buildings.

Funds are available in the state capital appropriations to the University from the Universities Building Fund to take care of the base bid plus the alternates for Huff Gymnasium and Smith Music Hall. An assignment of \$23,814 from the University General Reserve is requested to provide for the work in the English Building.

I concur.

On motion of Mr. Hughes, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

#### CONTRACT FOR FIRST ADDITION TO DIGITAL COMPUTER LABORATORY

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of the first addition to the Digital Computer Laboratory, the award in each case being to the lowest bidder:

General — C. A. Petry and Sons, Inc., Champaign.....	\$209 144 67
Base bid .....	\$192 270 00
Additive alternate for service charge for supervision of other prime contracts assigned to the general contractor, including 3 per cent charge for ac- cepted alternates .....	4 962 67

Additive alternates for vinyl flooring, acoustical ceilings, painting walls, painting ceilings, and installing perforated asbestos panels and insulation, all of the above work in certain rooms as covered by the plans and specifications.....	11 912 00	
Electrical—William H. Brunkow, an individual doing business as Brunkow Electric Company, Champaign.....		52 250 00
Base bid .....	\$ 51 800 00	
Additive alternates for surface mounting light fixtures in certain rooms and wiring automatic air conditioning filters .....	450 00	
Plumbing—David William Reichard and David Warren Reichard, a partnership doing business as David W. Reichard Plumbing and Heating, Urbana .....		22 800 00
Base bid .....	\$ 19 600 00	
Additive alternate for rerouting an existing storm sewer.....	3 200 00	
Heating and Air Conditioning—Burdick Plumbing and Heating Company, Decatur .....		63 775 00
Ventilating—R. H. Bishop Company, Champaign.....		26 617 00
Base bid .....	\$ 23 678 00	
Additive alternates for changes in ceiling diffusers and return air grills and installation of automatic air conditioning filters.....	2 939 00	
<b>Total Contracts .....</b>		<b>\$374 586 67</b>

It is further recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract price \$374,586.67; and it is further recommended that an agreement be entered into with C. A. Petry and Sons, Inc., Champaign, for the assignment of these other contracts for \$4,962.67, which amount is included in the contract price being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

A National Science Foundation grant of \$188,900 has been received for this project. The Executive Vice-President and Provost recommends an assignment of \$287,100 from Indirect Costs (General University Account) for the matching funds.

Submitted herewith is a supporting statement from the Physical Plant Department, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Dilliard, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

#### EASEMENT TO CITY OF URBANA FOR OPERATING AND MAINTAINING STORM SEWER

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend, and I concur, adoption of the following resolution granting the city of Urbana an easement for operating and maintaining a storm sewer on University property in the 1300 block of West Stoughton Street, Urbana, provided that the City will grant the University permission to reroute an existing storm sewer which crosses the site of the addition to the Digital Computer Laboratory.

#### Resolution

*Be It, and It Is Hereby, Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this corporation be, and they hereby are, authorized, for and in behalf of said public corporation, to make, execute, sign, acknowledge, and deliver a Grant of Utility Easement to the City of Urbana, a municipal corporation, conveying to the City of Urbana an Easement

across, under, and through the property and premises described as Lot 3 of Block 54 of Seminary Addition to the City of Urbana, Illinois, for the purposes of operating and maintaining a twenty-four inch storm sewer across, under and through said property in the location more definitively shown on that drawing prepared by the University Architect's Office, entitled Digital Computer Laboratory—First Addition, New Storm Sewer, Sheet No. 1 of 1, dated November 27, 1962; this Easement to the City of Urbana to be limited to a strip of land across said property extending five feet on each side of the center line of said sewer, as set forth on said drawing together with ingress thereto and egress therefrom; for so long as the City of Urbana shall use said Easement for said storm sewer purposes for which it is given; the rights herein granted to revert to said public corporation whenever a storm sewer is erected or constructed to take the place of the storm sewer herein provided for; in consideration of the City of Urbana giving permission to said public corporation to re-route an existing storm sewer which crosses the building site for the proposed Addition No. 1 to Digital Computer Laboratory; and to execute, acknowledge and deliver such other papers and documents as may be necessary to effect the purposes herein set forth.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

#### ADDITION TO CONTRACT FOR CONSTRUCTION OF ILLINI UNION BUILDING

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$15,308.80 in the contract with the Felmley-Dickerson Company, Urbana, Illinois, for construction of the Illini Union Addition to include remodeling of the existing Commons Dining Room to match the new cafeteria dining area adjacent thereto. Funds are available in the construction budget for the remodeling.

1 concur.

On motion of Mr. Hughes, this change in contract was authorized.

#### EMPLOYMENT OF ARCHITECTS FOR UNION AND RESIDENCE HALL FACILITIES AT MEDICAL CENTER CAMPUS

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of the firm of C. F. Murphy Associates, Chicago, for architectural services on the Illini Union and Residence Hall at the Medical Center, at a total fee not to exceed 6 per cent of building construction costs.

Preliminary design work up to preparation of working drawings and writing of specifications will be on the basis of actual salaries of personnel employed on this assignment, plus 100 per cent for overhead and commission, but not to exceed 1 per cent of construction costs. Remaining work, after approval of preliminary design, will be done on the basis of a fee of 5 per cent of construction costs, this fee to cover working drawings, plans and specifications, and supervision of construction.

It is further recommended that:

- C. F. Murphy Associates be authorized to employ Fred Schmid Associates as food service consultants for this project on the basis of hourly rates (drafting room time, \$10.00; principal associates' time, \$20.00; and principal's services; \$30.00) provided that the total cost shall not exceed 10 per cent of the final cost of all food receiving, storage, preparation, and service equipment they plan, detail, or specify; plus reimbursement at cost for long-distance telephone calls, out-of-town travel expenses, and reproduction costs of blueprints and specifications. The architect will be reimbursed only to the extent of the difference between the food consultants' fee and 6 per cent of the final cost of the equipment planned and specified in the final layout.
- C. F. Murphy Associates be employed for interior design services on planning of all interior spaces in detail, including furniture, textiles, draperies, carpeting, and other furnishings, and preparation of complete furnishings specifications and a final cost estimate.

The fee for these services to be on the basis of reimbursement of actual salaries of technical personnel assigned to this project plus 100 percent for overhead and commission.

I concur.

On motion of Mr. Swain, this recommendation was approved.

#### EMPLOYMENT OF ENGINEERS FOR AERIAL MAPPING

(19) Accurate topographic maps are helpful as basic planning tools in studies of long-range campus planning, particularly site selection and development. Partial topographic surveys are available for certain areas of the main campus but there are many gaps which do not permit large area or block studies for effective planning, including land acquisition, site selection, drainage, road improvements, and extension of utilities. Additional maps are particularly needed in planning expansion south of Florida Avenue as adequate maps for that area do not exist.

The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of the Chicago Aerial Survey Division, Chicago Aerial Industries, Inc., Franklin Park, for preparation of aerial photographic topographic maps for the Urbana-Champaign campus, at an estimated cost of \$18,930, based on unit prices. Their recommendation has been reviewed with and approved by the Committee on Aerial Photography and the Department of Civil Engineering, both having had considerable experience with aerial photographs for map making, and by the Advisory Committee on the Selection of Architects and Engineers. The Committee on Buildings and Grounds has also been consulted and approves the recommendation.

Funds are available in the Physical Plant Department budget.

I concur.

On motion of Mrs. Watkins, this recommendation was approved.

#### REPORT ON LAND ACQUISITIONS

(20) The Director of the Physical Plant and the Vice-President and Comptroller submit the following report of property purchases authorized by the Board and completed since the last report (January 11, 1962).

##### *Land for Campus Expansion*

##### CHAMPAIGN

Address	Owner	Cost
408 East Chalmers Street	Robert Visco	\$26 000
510 East Chalmers Street	John Sluder	18 500
507 East Daniel Street	Vira R. Fisher et al.	65 000
905-905½ South Fifth Street	Clara O. Wikholm	31 000
907 South Fifth Street	Margaret Helbling and Clotilde Sion	27 000
1013 South Oak Street	Thomas A. Hagan	8 000

##### URBANA

408 South Goodwin Avenue and		
1118 West Illinois Street	Elinor Savage et al.	95 500
907 West Green Street	Russell L. Ash et al.	41 000
1001 West Green Street	Oscar D. and Minnie M. Wilson	42 000
1009 West Green Street	Edith P. Sidell	83 250 <sup>1</sup>
107 South Gregory Street	Robert E. and Nora E. Creekmur	28 000
109 South Gregory Street	James R. and Virginia L. Johnstone	24 250
1103 West Illinois Street	Delta Alumni of Sigma Phi	
	Delta, Inc.	35 000
1111 West Illinois Street	Wesley D. Knutson	36 175
1105 West Illinois Street	F. L. and R. P. Bagley	35 000
106 North Romine Street	Lillian Young	32 500
204 North Romine Street	Mary E. Blind	16 000
1304 West Springfield Avenue	Samuel H. Young	22 000
1305 West Stoughton Street	Samuel H. Young	16 000
1308 West Stoughton Street	Charles B. McNelly	14 700

This report was received for record.

<sup>1</sup> This property was acquired through condemnation proceedings in the Circuit Court of Champaign County, the price being fixed by the jury.

## PURCHASES

(21) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used in these recommendations to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors.

*Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Onespectrophotometer, infrared, double beam, double monochromator, high resolution for use in a student laboratory for experiments requiring the separation of two hydrogen chloride isotopes	Chemistry and Chemical Engineering	Beckman Instruments, Inc., Lincolnwood	\$ 2 837 00 f.o.b. delivered

(Note: This purchase will be made from both Appropriated Funds, \$2,837.00, and Institutional Funds, \$10,100.00, for a total of \$12,937.00. See also page 351.)

Rental of 52 feature films: 17 to be run February, 1963, through May, 1963; 35 to be run October, 1963, through May, 1964; and reruns of all during the school year 1964-65 ending June 1, 1965	Television-Motion Pictures	Sterling Television Co., Inc., Chicago	7 800 00 f.o.b. Chicago
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*Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of laboratory equipment and supplies	Agency for International Development (Faculty of Medicine, Chiengmai Hospital, Thailand)	Will Scientific, New York, N.Y.	\$ 7 019 96 c & f Bangkok, Thailand
One recording system, four-channel equipped, but wired for six-channel, to include: two dual-channel power amplifiers, two mounting bins, one oscillator power supply, one wiring harness, four writer units, four recording systems, four preamplifiers, six input couplers, one heart rate coupler, one mobile console enclosure, one paper tray, one paper guide set, and fifty packs paper	Animal Science	Beckman Instruments, Inc., Spinco Division, Palo Alto, Calif.	4 786 00 f.o.b. delivered
X-ray diffraction equipment including constant potential X-ray generator and control 50 kvp-50 ma, current stabilizer, electronic circuit panel 60 cycle, single phase, 90-260 volts with 5 kva line voltage stabilizer and pulse height analyzer, portable chart recorder, goniometer assembly, proportional counter, and copper target four-window X-ray diffraction tube	Ceramic Engineering	Philips Electronic Instruments, Chicago	17 675 00 f.o.b. delivered
One generator, constant potential X-ray, and control, with tubehousing, shutters, filter selector disk, milliamphere stabilizer and rectifiers, but excluding X-ray tube; less trade-in of old generator	Chemistry and Chemical Engineering	Philips Electronic Instruments, Chicago	3 995 00 f.o.b. Mt. Vernon, N.Y.
One regulator, five voltage, 5 kva, for X-ray diffraction unit, with control panel and high voltage relay			
One lot of laboratory equipment and apparatus including one spectrophotometer with hydrogen lamp power supply, potentiometric recorder and 10 mm. path silica cell and 1,050 ft. of assorted rubber tubing; this is an estimated three-month supply	General Chemical Stores	Scientific Products Division, American Hospital Supply Corp., Evanston	2 836 00 f.o.b. delivered
One lot of laboratory glassware and apparatus for stock in the General Chemical Stores, to be a six-month supply	General Chemical Stores	Rascher & Betzold, Inc., Chicago	8 200 00 f.o.b. delivered



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One stereoscopic point transfer device with built-in illumination for block aerial triangulation in the field of photogrammetry	Civil Engineering	Wild Heerbrugg Instruments, Inc., Port Washington, Long Island, N.Y.	\$ 3 185 00 f.o.b. delivered
One dummy load, coaxial high power, liquid cooled, 200 kw. with power meter, 50 ohms, 3¼ in. flanged connector, for frequency range DC to 10 MC	Electrical Engineering	Electro Impulse Laboratory, Inc., Red Bank, N.J.	5 000 00 f.o.b. delivered
One tensile testing machine, 5,000 kilogram capacity, with programming chassis which will continuously and rapidly change the rate of specimen deformation and the direction of deformation	Mining, Metallurgy, and Petroleum Engineering	Instron Engineering Corp., Park Ridge	26 441 00 f.o.b. delivered
One shielded enclosure, electrically isolated R.F., including personnel door, air inlet and outlet, copper power line filter panel, tile floor, etc., double shielded 22 by 22 strands per in., .015 in. diameter copper mesh, size irregular special, approximately 10 in. by 9 in. by 8 ft. high	Physics	Erik A. Lindgren & Associates, Inc., Chicago	3 085 00 f.o.b. delivered
Two line filters			
Two electric typewriters for electronic computer input-output, equipped with remote upper-lower case shift, color shift and carriage return, keyboard of special characters for data processing system	Physics	International Business Machines Corp., Springfield	2 534 00 f.o.b. Lexington, Ky.
Used 16 mm. motion picture equipment including: Three cameras with f/2.4 zoom lens, motor, sync light Three tripods with pan heads Four 2400 ft. film magazines Two film recorders One wireless microphone One 8 in. speaker One speaker baffle One power amplifier One film splicer Nine racks	University of Illinois Committee on School Mathematics	National Education Television and Radio Center, Ann Arbor, Mich.	15 700 70 f.o.b. delivered
Motion picture television equipment, 16 mm., including one edge numbering machine, three hot splicers, two synchronizers, one pair hand film re-winds, and one magnetic attachment for synchronizer arm	University of Illinois Committee on School Mathematics	Comprehensive Service Corp., New York, N.Y.	3 445 00 f.o.b. delivered
Print and bind 2,000 copies of <i>The Structure of Chin Society</i> , by Frederic K. Lehman, approximately 272 pages per copy, trim size 6 in. by 9 in.	University Press	Pantagraph Printing & Stationery Co., Bloomington	3 005 38 f.o.b. delivered
Twenty-four folding portable coat and hat racks for use in the concourse, in offices, in the dining area, and in the service areas of the Assembly Hall	Assembly Hall	Chapman-Young, Inc., St. Louis, Mo.	2 784 00 f.o.b. delivered
200 innerspring mattresses, 36 in. by 78 in., not less than 6½ in. thick, not less than 152 coils, to replace present mattresses which have been in use more than fifteen years in the Bussey-Evans Residence Halls	Housing Division	The Springfield Mattress Co., Springfield	3 658 00 f.o.b. delivered
Pallet racks of sufficient quantity to accommodate 636, 40 in. by 48 in. pallets; racks are to be interchangeable with existing racks in Central Food Stores	Housing Division	Equipment Manufacturing Inc., Detroit, Mich.	5 860 68 f.o.b. delivered
Thirty units (five lockers per unit) lockers, self-service, coin-return checking lockers, to be installed in the Illini Union Building Addition for use by students for checking books and supplies while at the Union	Illini Union	The Flexible Co., Loudonville, Ohio	6 182 42 f.o.b. delivered
200 reams book paper, coated, for printing the catalog for the Contemporary American Painting and Sculpture Exhibition	Office Supply Storeroom	Chicago Paper Co., Chicago	2 808 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
40,000 tolbutamide tablets 0.5 gm. to be used in the treatment and control of diabetes; this represents a six-month supply	Pharmacy Stores, Chicago	The Upjohn Co., Chicago	\$ 3 104 60 delivered
One wagon crane, 25-ton capacity, with 80-foot boom, powered by gasoline engine, four axle, with hydraulically operated outriggers, designed for one-man operation, less credit for trade-in of two crawler-type cranes, one 1939 model and one 1950 model	Physical Plant	McElroy-Roland Machinery Co., Springfield	46 750 00 f.o.b. delivered
One truck, two ton, 18200 No. gvw with 12 ft. platform stake body and equipped with ramp type lift gate to replace vehicle No. 214, a 1951 truck, with flat bed and power gate, mileage 43,000	Physical Plant	International Harvester Co., Springfield	3 398 00 f.o.b. delivered
One spectrophotometer, infrared, double beam, double monochromator, high resolution for use in a student laboratory for experiments requiring the separation of two hydrogen chloride isotopes	Chemistry and Chemical Engineering	Beckman Instruments, Inc., Lincolnwood	10 100 00 f.o.b. delivered

(Note: This purchase will be made from both Institutional Funds, \$10,100.00, and Appropriated Funds, \$2,837.00, for a total of \$12,937.00. See also page 349.)

### Summary of Purchases Recommended

From Appropriated Funds.....	\$ 10 637 00
From Institutional Funds.....	\$191 553 74
<i>Grand Total</i> .....	<i>\$202 190 74</i>

On motion of Mr. Johnston, these purchases were authorized.

### COMPTROLLER'S REPORT OF CONTRACTS

(22) The Comptroller's report of contracts executed during the period December 1 to 31, 1962.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Air Force AF-AFOSR 107-63	Charged colloidal sized particles for propulsion	\$ 19 873 00	November 1, 1962
United States Air Force AF-AFOSR 135-63	Techniques for minimizing forgetting	21 754 00	October 15, 1962
United States Army DA 36-039 AMC 00066	Microwave duplexer switching mechanisms	50 000 00	January 1, 1963
United States Department of Health, Education, and Welfare OE 310-058	National seminar of representatives of departments of English to engage in research in the teaching of English and to discuss implications of these undertakings	23 863 00	November 15, 1962
<i>Total</i>		<i>\$115 490 00</i>	

### Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Business Machines Corp.	Five key punches; one space suppress device; one type 826 typewriter printing punch; one processing unit; one card read punch; one printer; four magnetic tape units; three device codes; one binary device; one programming device; two punch read devices	\$ 84 372 60	August, October, and November, 1962

### Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Air Force AF 19(604) 7473	Basic properties of gaseous plasmas	\$ 50 000 00	November 26, 1962
United States Air Force AF 29(601) 468	Static and dynamic testing of deep structural elements	11 090 87	December 7, 1962

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Air Force AF 29(601) 544	Planning of future full-scale field tests	\$ 7 543 55	December 7, 1962
United States Air Force AF 29(601) 1162	Confidential	4 144 87	February 7, 1962
United States Air Force AF 29(601) 2372	Behavior and design of deep structural members	5 253 72	December 7, 1962
United States Air Force AF 33(600) 34763	Confidential	6 043 08	October 31, 1962
United States Army DA-49-007-MD-723	Effects of irradiated foods included in a ration fed to dogs	12 305 00	November 26, 1962
United States Atomic Energy Commission AT (11-1) 314	Synthesis of boron-containing dyes suitable for use in <i>in vivo</i> experiments on mice with glioblastomas	25 000 00	September 1, 1962
United States Atomic Energy Commission AT(11-1) 1198	Use charge for portion of Materials Research Laboratory used in commission supported research	251 303 00	October 1, 1962
United States Department of State, Agency for International Development AIDc 1453	Technical advice and assistance requested by the government of India	102 000 00	October 1, 1962
United States Navy Nour 1834(23)	Theory of group representations and measure theory	20 919 00	November 7, 1962
United States Navy Nour 1834(36)	Factors in group interaction	50 000 00	November 15, 1962
United States Navy Nour 1834(37)	Mechanism of antibody formation in the pig	30 153 00	November 21, 1962
<b>Total</b>		<b>\$575 756 09</b>	

#### Adjustments Made in 1962-63 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Twenty-four items: \$35.00 deduct to \$675.00	\$ 2 288 72	November and December, 1962

#### Summary

Amount to be paid to the University.....	\$691 246 09
Amount to be paid by the University.....	86 661 32

This report was received for record.

#### EDUCATIONAL DIRECTIONS AT THE UNIVERSITY OF ILLINOIS

(23) The University Study Committee on Future Programs has issued its final report, "Educational Directions at the University of Illinois," completing five years of study dealing with present-day conditions which have created special problems in education, particularly higher education, due to the rapid increase in population and new knowledge to be taught resulting from advances in science and technology. The report attempts to answer such questions as:

What share of the college-age youth should the University be prepared to accept, and on what campuses?

How should choices be made if more apply than can be accommodated?

What new programs and courses of study need to be added and which of the old can be dropped?

What priorities in teaching, research, and service should govern use of University facilities and the engagement of faculty time?

The contribution of this Committee already has been well established as a catalyst in internal deliberations. The Committee's studies, coupled with the advice and cooperation of the faculty and administration, have accelerated a variety of new procedures and policies. The report will not be placed before any group for adoption as a whole but will have the force of informal acceptance and the logic and persuasiveness of its ideas.

No summary can do the report justice. The Committee has given a clear view of continuing obligations as well as new opportunities. . . . It has offered specific recommendations and the rationale for them. It has also suggested priorities in educational services, a recognition that today as never before universities must

make choices. The reader will find a suggested pattern of growth and an indication of intellectual resources and values at the University of Illinois.

There are some detailed recommendations, involving the need to study the process of undergraduate teaching; questions of admissions policy; the importance of maintaining a strong faculty and giving it the time and facilities to do its work; the growing international interests of the University. . . .

To its credit, the Committee has not been preoccupied with minutiae but rather has been concerned to lay down broad guidelines to educational policy.

It is appropriate to make a formal presentation of the report to the Board of Trustees at this time because it is a significant document in the University's educational planning for the future. (No action is recommended or required.) I also take this occasion to record the appreciation of the University administration to the members of the Committee, especially to its Chairman, Professor G. M. Almy of the Department of Physics, whose work as head of the twelve-member task force representative of all three campuses of the University deserves special commendation. The members of the Committee are:

GERALD M. ALMY, Professor of Physics, Chairman, who has served a full five years

H. KENNETH ALLEN, Professor of Economics

JOHN E. CRIBBET, Professor of Law

LEE J. CRONBACH, Professor of Education, Bureau of Educational Research, and Professor of Psychology

BERNARD J. DIGGS, Associate Professor of Philosophy

CECIL A. KRAKOWER, Professor of Pathology, Medical Center

MORELL B. RUSSELL, Professor of Soil Physics, Department of Agronomy

ALLEN S. WELLER, Dean of the College of Fine and Applied Arts

All the above have served full five-year terms.

HOLLIS W. BARBER, Professor of Political Science, Chicago Undergraduate Division, who served from 1957-59

A. DWIGHT CULLER, Professor of English, 1957-58

RUPERT M. PRICE, Associate Professor of Physics and Assistant Dean of Engineering, Chicago Undergraduate Division, 1959-62

ROBERT W. ROGERS, Professor of English, 1958-62

Serving from one to three semesters for members on leave were:

EDWARD W. CLEARY, Professor of Law

NORMAN A. GRAEBNER, Professor of History

GLENN W. SALISBURY, Professor of Dairy Science

It should also be noted that Professor Lee J. Cronbach of the College of Education headed a subcommittee which prepared one of two appendices to the report, "The Entering Undergraduate Student," a subject discussed at the 1960 Faculty Conference.

The second appendix presents individual statements from the colleges and other divisions of the University as to their recent developments and long-range plans—statements of what the Chairman calls "educational directions at the working level."

Copies of the printed report were distributed at the meeting, and a copy was filed with the Secretary of the Board for record.

#### ADDITION TO CONTRACT FOR ASSEMBLY HALL

(24) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$3,557.37 in the contract with Felmley-Dickerson Company, Urbana, for construction of the Assembly Hall to provide for relocation of two alternators from the projection booth in the theatre quadrant to a switchgear room located below the office level.

Funds are available in the construction budget.

I concur.

On motion of Mr. Williamson, this change in contract was authorized.

#### INSTITUTE OF LABOR AND INDUSTRIAL RELATIONS ADVISORY COMMITTEE

(25) The Director of the Institute of Labor and Industrial Relations recommends

the following appointments to the Institute's Advisory Committee for a term of three years, beginning with the current academic year, to fill vacancies in the management, public, and labor representation:

*Management*

MARC A. BUETTELL, President of Ideal Industries, Inc., Sycamore  
WILSON KIMMELL, Vice-President and Industrial Relations Manager, LeTourneau-Westinghouse Company, Peoria  
ROY L. ROLLINS, Vice-President, in charge of Manufacturing, Purchasing, Labor Relations, Personnel, and Facility Planning, Staley Manufacturing Company, Decatur

*Public*

SAMUEL C. BERNSTEIN, Assistant Director of the Illinois Department of Labor, Chicago  
JOSEPH BORUS, Regional Administrator of the Bureau of Employment Security, and Regional Director of the Office of Manpower Administration in the United States Department of Labor, Chicago Region  
JOHN D. LARKIN, Arbitrator of Labor Disputes, Chicago

*Labor*

LEE CHAPMAN, Grand Lodge Representative, International Association of Machinists in the Midwest Area, Springfield  
BUDDY W. DAVIS, President of Local Union 3643 of the United Steelworkers, Alton

I recommend approval.

On motion of Mr. Swain, these appointments were approved.

### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations, cancellations, declinations, and terminations; leaves of absence; sabbatical leaves of absence; cancellation of sabbatical leave of absence.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

- AGUSTIN, CESAR C., Research Assistant in Physical Medicine and Rehabilitation (Medicine), eight months from January 1, 1963, \$5,496 a year (12-17-62).  
ANDREWS, A. M., Instructor, Police Training Institute (University Extension), eight months from January 1, 1963, \$7,850 a year (12-17-62).  
ARAI, MARY N., Research Associate in Physiology and Biophysics, ½ time, February 1-June 15, 1963, \$1,750 (12-19-62).  
BILGER, H. R., Research Associate in the Digital Computer Laboratory, November 27, 1962-August 31, 1963, to render service during the academic year, \$6,500 a year (12-17-62).  
BINNS, LOIS E., Assistant Professor of Medical Social Work (Medicine), eight months from January 1, 1963, \$9,450 a year, supersedes (12-19-62).  
BYRNE, ANNE F., Research Assistant in Microbiology (Medicine), January 2-August 31, 1963, \$8,000 a year (12-17-62).  
CUTLER, MRS. PATRICIA P., Research Assistant in Education (University High School), seven months from November 15, 1962, \$444.45 a month (12-28-62).  
DAUPHIN, KEITH P., Project Assistant in the State Natural History Survey, nine months from December 1, 1962, \$4,200 a year (12-17-62).  
DEVRIES, WILLIAM R., Research Assistant in Psychiatry (Medicine), eleven months from October 1, 1962, without salary (12-11-62).  
DUNN, FLOYD, Associate Professor of Electrical Engineering (Engineering Experiment Station) and of Biophysics (Liberal Arts and Sciences), indefinite tenure from December 1, 1962, \$11,600 a year, supersedes (12-5-62).  
FAILLI, AMEDEO, Research Associate in Chemistry, eight months from January 1, 1963, \$6,000 a year (12-17-62).

- GAZET, JOHN C., Instructor in Surgery (Medicine),  $\frac{3}{4}$  time, ten months from November 1, 1962, \$5,000 a year, supersedes (11-16-62).
- GILLETTE, HOWARD E., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1962, without salary (11-8-62).
- GRIFFIN, ROBERT S., Instructor in Medicine (Medicine),  $\frac{2}{3}$  time, eight months from January 1, 1963, \$2,400 a year (12-19-62).
- GUIRE, PATRICK, Research Assistant in Chemistry, two months from December 1, 1962, \$488.88 a month, supersedes (12-28-62).
- HART, ROBERT R., Assistant in Radiology (Medicine), one year from September 1, 1962, without salary (12-11-62).
- ISHIDA, TAHITO, Research Associate in Chemistry, nine months from December 1, 1962, \$6,300 a year (12-17-62).
- ISRAEL, PATRICK, Clinical Assistant Professor of Psychiatry (Medicine), eight months from January 1, 1963, without salary, supersedes his salaried appointment (12-17-62).
- KRUPP, ROBERT H., Lecturer in Physics (Chicago Undergraduate Division), six months from February 1, 1963, \$3,950 (12-27-62).
- KULIS, JOHN C., Clinical Instructor in Medicine (Medicine), nine months from December 1, 1962, without salary, supersedes his salaried appointment (12-27-62).
- MILLER, LEON J., Research Engineer in Electrical Engineering (S), seven months from February 1, 1963, \$8,600 a year, supersedes (12-28-62).
- O'SHEA, JOHN W., Clinical Instructor in Pediatrics (Medicine), nine months from December 1, 1962, without salary (12-11-62).
- OUCHI, AKIRA, Research Associate in Chemistry, five months from April 1, 1963, \$500 a month (12-17-62).
- PAUL, OGLESBY, Lecturer in Medicine, with rank of Professor (Medicine), eight months from January 1, 1963, without salary, supersedes (12-11-62).
- PENEY, LUBEN C., Clinical Instructor in Medicine (Medicine), nine months from December 1, 1962, without salary, supersedes his salaried appointment (12-27-62).
- PICHLER, HANNS, Instructor in the Graduate School of Business Administration,  $\frac{1}{2}$  time, nine months from October 1, 1962, \$3,000, supersedes (12-19-62).
- PIEPER, WILLIAM J., Clinical Instructor in Psychiatry (Medicine),  $\frac{1}{4}$  time, six months from January 1, 1963, \$3,000 a year, supersedes (12-17-62).
- RESEK, LOIS D., Research Assistant in the State Water Survey, six months from January 1, 1963, \$475 a month, supersedes (12-17-62).
- ROBERTS, ELMER, Professor, Agricultural Administration (S), 36/100 time, ten months from November 1, 1962, \$4,500 a year (12-17-62).
- ROBINSON, GARTH, Research Associate in Biological Chemistry (Medicine), eight months from January 1, 1963, \$8,000 a year (12-17-62).
- ROEDER, ROBERT C., Assistant Professor of Astronomy, six months from March 1, 1963, \$541.67 a month, supersedes (12-17-62).
- SAARI, ELAINE E., Instructor in Medical Social Work (Medicine), eight months from January 1, 1963, \$7,150 a year (12-19-62).
- SARGENT, FREDERICK, II, Lecturer in Medicine, with rank of Professor (Medicine), nine months from December 1, 1962, without salary (12-20-62).
- SCHON, GERALD L., Instructor in Medical Social Work (Medicine), eight months from January 1, 1963, \$7,500 a year (12-19-62).
- SHAUGHNESSY, HOWARD J., Professor of Public Health and Preventive Medicine at the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, November 25, 1962-February 23, 1963, \$24,613 a year; and Professor and Head of the Department of Public Health (Medical Center), indefinite tenure from February 24, 1963, supersedes (11-12-62).
- SHOVE, GENE C., Associate Professor of Agricultural Engineering (C and S), indefinite tenure from January 1, 1963, \$11,700 a year, supersedes (12-17-62).
- SIMS, BYRL L., Instructor in Radio and Television (Journalism and Communications), academic year beginning September 1, 1962, without salary; this is in addition to his nonacademic appointment (12-11-62).
- SONNENKALB, BRIGITTA H., Physician in the Health Service (Office of Vice-President, Medical Center),  $\frac{1}{4}$  time, ten months from November 1, 1962, \$2,400 a year, supersedes (12-11-62).

- TORRIENTE, LUIS R., Clinical Assistant in Medicine (Medicine), nine months from December 1, 1962, without salary (12-27-62).
- VON FOERSTER, HEINZ M., Professor of Electrical Engineering (Engineering) and of Biophysics (Liberal Arts and Sciences), indefinite tenure from December 1, 1962, to render service during each academic year \$15,000 a year, supersedes (12-5-62).
- WALKER, BRIAN L. H., Research Associate in Food Technology (S), eight months from January 1, 1963, \$6,200 a year, supersedes (12-20-62).
- WHITEHORN, WILLIAM V., Chief of Party and Professor of Physiology at the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand under Contract AID/fe-2, October 22, 1962-October 21, 1964, \$19,035 a year; and Professor of Physiology (Medicine), indefinite tenure from October 22, 1964, supersedes (11-12-62).
- WILLIAMS, VERNITA, Assistant Chief Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), eight months from January 1, 1963, \$8,500 a year, supersedes (12-11-62).
- WILSON, ROBERT G., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy),  $\frac{1}{2}$  time, nine months from December 1, 1962, \$3,700 a year (12-11-62).
- ZALAR, RICHARD W., Clinical Instructor in Medicine (Medicine), eight months from January 1, 1963, without salary (12-19-62).

#### GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- CROTHAMEL, DAVID A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$5,666.25, supersedes (11-14-62).
- GALLIART, WILLARD H., General Electric Foundation Summer Fellow in Accountancy, two months from June 16, 1963, \$500 (12-17-62).
- LAHEY, JAMES M., General Electric Foundation Summer Fellow in Accountancy, two months from June 16, 1963, \$1,000 (12-17-62).
- NOZU, KEIICHI, Postdoctoral Fellow (Trainee) in Microbiology, one month from January 1, 1963, \$558.33 (12-17-62).
- RAMSEY, AUDIE L., General Electric Foundation Summer Fellow in Accountancy, two months from June 16, 1963, \$1,000 (12-17-62).
- STRAHS, GERALD, United States Public Health Service Fellow (Trainee) in Chemistry, nine months from December 1, 1962, \$1,800 (12-4-62).
- WEBER, FRANK E., Campbell Soup Company Fellow in Food Technology, nine months from September 1, 1962, \$2,400, supersedes (12-24-62).

#### RESIGNATIONS, CANCELLATIONS, DECLINATIONS, AND TERMINATIONS

- BLANDY, JOHN P., Clinical Assistant Professor of Urology, Department of Surgery (Medicine) — cancellation effective September 1, 1962.
- DALLA, FRANKLIN C., Director of the Chicago Housing Division — resignation effective January 26, 1963.
- EVANS, DAVID R., Associate Professor of Entomology and of Physiology and Biophysics — declination effective August 1, 1963.
- HARPER, JAMES A., Project Assistant in the State Natural History Survey — resignation effective January 9, 1963.
- JOHNSON, RICHARD M., Charles E. Merriam Fellow in Political Science — resignation effective February 1, 1963.
- LEON, HECTOR R., Assistant in Anesthesiology, Department of Surgery (Medicine) — termination effective December 1, 1962.
- LOOMIS, F. WHEELER, Professor of Physics (Engineering) — resignation effective January 1, 1963.
- NUTTALL, JOHN L., JR., Executive Officer of Naval Science — resignation effective January 1, 1963.
- PATTON, FRANKLIN D., Fellow in Geology — resignation effective February 1, 1963.
- RODRIGUEZ, MANUEL V., Assistant in Anesthesiology, Department of Surgery (Medicine) — termination effective December 1, 1962.
- SOKKAR, THOURAYA A., Assistant in Anesthesiology, Department of Surgery (Medicine) — termination effective October 1, 1962.

THOMPSON, MRS. MARGARETA O., Catalog Assistant in the Library — resignation effective February 18, 1963.

ZACHMAN, HELEN, Cataloger in the Library, with rank of Instructor — resignation effective February 1, 1963.

#### LEAVES OF ABSENCE

KAISER, HENRY F., Associate Professor of Education (Bureau of Educational Research) and of Psychology — leave of absence, without pay, for one month from July 16, 1963, so that he may accept an invitation to teach in the summer session at the University of Wisconsin.

KARLOWITZ, ROBERT A., Bibliographer in the Library, with rank of Assistant Professor — leave of absence on  $\frac{3}{4}$  time, without pay, for three months from February 1, 1963.

KEYES, SCOTT, Associate Professor of Regional Planning, Department of City Planning and Landscape Architecture — leave of absence, without pay, for three months from January 1, 1963, so that he may go on a mission in the Sudan for the United Nations.

#### SABBATICAL LEAVES OF ABSENCE

GRAEBNER, NORMAN A., Professor of History and Chairman of the Department — sabbatical leave of absence on one-half pay for one year beginning with the second semester of the academic year 1962-63, and continuing through the end of the first semester of the academic year 1963-64.

KIRK, SAMUEL A., Professor of Psychology and of Education, and Director of the Institute for Research on Exceptional Children — sabbatical leave of absence, on full pay, for six months from March 1, 1963.

#### CANCELLATION OF SABBATICAL LEAVE OF ABSENCE

THOMSON, ROBB M., Professor of Physical Metallurgy, College of Engineering — sabbatical leave of absence for the second semester of 1962-63 on full pay, cancelled, without prejudice.

#### FUTURE MEETINGS OF THE BOARD

President Clement announced that the February meeting of the Board will be held in Urbana on Wednesday, February 20, 1963; and that the annual meeting will be held on March 20, 1963, also in Urbana, the Board having previously voted to change the annual meeting from the second Tuesday (March 12) to the third Wednesday (March 20).

#### EXECUTIVE SESSION

An executive session was requested, and was ordered, for consideration of reports and recommendations relating to property acquisitions.

On motion of Mr. Dilliard the Board recessed.

When the Board reconvened in executive session, all members of the Board were present, as recorded at the beginning of these minutes, except Governor Kerner and Mr. Page, who asked to be excused.

#### LAND ACQUISITIONS

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend the acquisition of the following properties for the purposes and prices indicated:

404 East Chalmers Street, Champaign — site for Single Graduate Students Residence Hall .....	\$29 500
The property consists of a lot 51.5 feet by 116.24 feet and a two-story and basement frame house. Possession will be delivered by February, 1963.	
1308 West Springfield Avenue, Urbana — site for expansion of Digital Computer Laboratory .....	21 000
The property consists of a lot 49.5 feet by 100 feet and a one-story and basement frame house and two-car garage. Possession will be delivered by September, 1963.	



Funds for the purchase of these properties are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

907 West Nevada Street, Urbana — site for Single Undergraduate Student Residence Hall.....\$34 000

The property consists of a lot 65 feet by 147.4 feet and is improved with a two-story and basement frame dwelling. Possession will be delivered by July 1, 1963. The house will be used as a student cooperative rooming house until such time as it is needed for building.

Funds for the purchase of this property are available in the Housing Division Reserve Funds.

The recommendations for these property acquisitions have been reviewed with and approved by the Committee on Buildings and Grounds.

I concur.

On motion of Mr. Williamson, these property purchases were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page, Mr. Pogue.

On motion of Mr. Williamson, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**February 20, 1963**



The February meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Wednesday, February 20, 1963, beginning at 11:00 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner was absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Earl W. Porter, Assistant to the President, Mr. V. L. Kretschmer, Director of Auxiliary Services; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary.

**REPRESENTATIVES OF BOARD OF TRUSTEES ON BOARD  
OF HIGHER EDUCATION**

President Clement called attention to the following provisions in the Act of the General Assembly of Illinois creating a Board of Higher Education:

"the respective chairmen of the Board of Trustees of the University of Illinois, the Board of Trustees of Southern Illinois University, and the Teachers' College Board; one member of each of the three foregoing Boards selected by the members thereof; and the Superintendent of Public Instruction."

"The members of the Board appointed respectively by the Board of Trustees of the University of Illinois, the Board of Trustees of Southern Illinois University, and the Teachers' College Board shall each hold office for two-year terms expiring on January 31 of odd numbered years.

"The members of the Board shall continue to serve after the expiration of their terms until their successors have been appointed."

The term of Mr. Wayne A. Johnston having expired, the Board was asked to take action in the matter of its representation.

On motion of Mr. Williamson, Mr. Johnston was reelected as the member of the Board of Trustees of the University of Illinois to serve with the President of the Board on the Board of Higher Education; Mr. Johnston voted "No."

**BIENNIAL OPERATING AND CAPITAL BUDGETS FOR 1963-65**

Mr. Howard W. Clement and Mr. Wayne A. Johnston, members of the Board of Trustees of the University of Illinois who are also serving on the State of Illinois Board of Higher Education, submitted the following report.

On October 17, 1962, the Board of Trustees adopted a budget request, for the operation of the University of Illinois in the biennium 1963-65, to be presented to the Governor and the General Assembly, and authorized the President of the Board, the Chairman of the Finance Committee of the Board, and the President of the University to present the request to the appropriate offices, officials, and committees.

Similarly on November 9, 1962, the Board of Trustees adopted a capital budget with similar authorizations and instructions.

As a part of the budgetary review process, both budgets were submitted to the Illinois Board of Higher Education. The Board has reviewed both budgets and has made recommendations concerning them. The differences between the original budgets as presented by the Board of Trustees and the recommendations of the Board of Higher Education are reflected in the tables which follow this report.

In summary, for operations the Board of Trustees requested an increase of \$31,044,000, which amounted to an increase of 21.4 per cent over the amount available for the 1961-63 biennium. The Board of Higher Education approved a request for an increase of \$26,616,681, an 18.4 per cent increase. If the opening of the Congress Circle campus is deferred, further reductions will be made, subject to a maximum total reduction of \$3,232,000 if the Congress Circle campus does not open until September, 1965.

In the capital budget, the Board of Trustees approved a request of \$39,865,240, which included a reappropriation of unused bond issue funds, or an increase in new funds of \$33,893,740. The Board of Higher Education has approved a request of \$25,368,540, including unused bond issue funds, or a net amount of new money of \$18,968,540, to be increased subsequently by whatever additions to the power plant may be mutually determined as required by the new facilities approved.

### Comment

#### *Operating Budget*

The major differences between the Trustees' request for an increase in operating funds and the amounts recommended by the Board of Higher Education are in two items: salary increases and the requirements for maintaining the present level of services with increased enrollments and increased costs.

The Board of Trustees, mindful of the University's position in relationship to salary levels at similar universities across the land, and resolving to improve the relative position of the University of Illinois, recommended an amount equal to 9 per cent of the academic personal service budget in the first year of the biennium and 5 per cent in the second. The Board of Higher Education recommended an increase in the academic salary budget of 6 per cent for the first year of the biennium and 5 per cent in the second.

The Board of Higher Education, no less than the Board of Trustees, is aware of the necessity for salary improvement. The difference here is one of judgment as to rate of progress and rate of improvement.

The other major difference is in the amount estimated as required for maintaining the present level of services. Here again, the difference is in judgment rather than on policy or objective, and a reconciliation of points of view should be possible in future years from studies of the specific items involved.

#### *Capital Budget*

The difference between the Board of Trustees' request and the Board of Higher Education's action on the capital budget may be accounted for largely in the omission of the following four building projects:

At Urbana-Champaign—office-classroom building and the addition to Smith Music Hall, and at the Medical Center, Chicago—addition to the East Dentistry-Medicine-Pharmacy Building and the Physical Plant Service Building.

It may be said that variations in estimates of enrollment capacity and enrollment projections account in part for the differences in point of view as to the urgency of the two buildings eliminated at the Urbana campus.

The two buildings eliminated at the Medical Center campus are, in the judgment of the administration and the Trustee members of the Board of Higher Education, of unquestioned importance to the improvement and development of that campus.

Nonetheless, the sense of urgency about the need for these four structures was not shared by our colleagues on the Board of Higher Education, and further discussions will no doubt be held concerning these items in the future.

### Recommendation

We believe that the original budget requests of the Board of Trustees were fully justified, in the light of the total needs of the University, and of the needs of the state for University of Illinois services.

At the same time, we believe that the Board of Higher Education has an important role to play in the future welfare of higher education in the state of Illinois and that cooperative support from the governing boards of the state universities should be brought to the decisions of the Board of Higher Education at this time. We believe that most of the differences are in judgment, not objectives, and that these differences can be reconciled by additional studies during the next biennium, when there will be more time for interchange of ideas, consultation, and analysis of data. Further, the "master plan" studies which are now going forward under the auspices of the Board of Higher Education should be helpful in evaluations which are to be made in the future.

Accordingly, in the interest of encouraging coordination in higher education in the state of Illinois, we recommend that the recommendations of the Board of Higher Education with reference to the budgets for operation of the University of Illinois and for capital projects be endorsed as reflecting the official position of the Board of Trustees. We further recommend that the representatives of the Board of Trustees and the administration of the University be authorized to present this position to the appropriate state officials and members of the General Assembly, hence modifying the original budget requests as presented in November.

On motion of Mr. Williamson, the foregoing recommendations and the adjustments in the operating and capital budgets, as shown in the

tables which appear below, were approved and authority was given as requested; this action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

### Increases in Operating Budget, 1963-65

<i>Budget Categories</i>	<i>University Requests</i>	<i>Recommendations, Board of Higher Education</i>	<i>Recommended Reductions</i>
I. Contributions to University Retirement System.....	\$ 742 900	\$ 742 900	\$ .....
II. To Continue for a Full Biennium Funds Required for One Year Only in the 1961-63 Biennium..	2 700 000	2 700 000	.....
III. Salary Adjustments for All Staff			
A. 1963-64 (for two years).....	9 000 000	6 423 424	2 576 576
B. 1964-65 (for one year).....	3 000 000	2 743 724	256 276
IV. To Provide for Increased Enrollment in 1963-64 (for two years)			
A. Instructional Staff (Urbana and Medical Center).....	2 740 000	2 740 000	.....
B. Nonteaching Staff, Expense, and Equipment			
1. Urbana and Medical Center	2 060 000	2 060 000	.....
2. Congress Circle.....	1 000 000	1 000 000	..... <sup>1</sup>
V. To Provide for Increased Enrollment in 1964-65 (for one year)			
A. Instructional Staff (Congress Circle).....	1 770 000	1 770 000	..... <sup>1</sup>
B. Nonteaching Staff, Expense, and Equipment (Congress Circle).....	1 230 000	1 230 000	..... <sup>1</sup>
VI. To Meet Increased Cost of Operation			
A. Operating Costs of New Buildings in 1963-64 (for two years)			
1. Urbana and Medical Center	1 571 100	1 571 100	.....
2. Congress Circle.....	1 000 000	1 000 000	..... <sup>1</sup>
B. Operating Costs of New Buildings in 1964-65 (for one year)			
1. Urbana and Medical Center	360 000	360 000	.....
2. Congress Circle.....	590 000	590 000	..... <sup>1</sup>
C. Increases to Maintain Present Level of Services			
1. Increases in Expense and Equipment to Meet Rising Costs and Accumulated Deficiencies.....	1 500 000	957 333	542 667
2. Increases in Auxiliary Staff to Meet Accumulated Deficiencies.....	1 073 000	185 200	887 800
VII. Improvements in Educational Programs			
A. College of Engineering			
1. Physics of the Upper Atmosphere.....	80 000	80 000	.....

<sup>1</sup> If the opening of Congress Circle campus is deferred, further reductions will be made, subject to a maximum total reduction of \$3,232,000 if the Congress Circle campus is not available until September, 1965.

<i>Budget Categories</i>	<i>University Requests</i>	<i>Recommendations, Board of Higher Education</i>	<i>Recommended Reductions</i>
2. Molecular Electronics.....	\$ 60 000	\$ 60 000	\$ .....
3. Nuclear Engineering.....	40 000	40 000	.....
B. College of Liberal Arts and Sciences			
1. Department of Linguistics..	121 000	121 000	.....
2. Asian Studies.....	158 000	79 000	79 000
C. College of Medicine			
1. Continuing Medical Educa- tion.....	85 000	.....	85 000
2. School of Associated Medi- cal Sciences.....	102 000	102 000	.....
D. College of Nursing			
1. Master of Science in Nurs- ing Education.....	61 000	61 000	.....
<i>Totals.....</i>	<i>\$31 044 000</i>	<i>\$26 616 681</i>	<i>\$4 427 319<sup>1</sup></i>

## Capital Budget 1963-65

<i>Projects</i>	<i>University Requests</i>	<i>Recommendations, Board of Higher Education</i>	<i>Recommended Reductions</i>
<i>Major Buildings</i>			
Urbana-Champaign			
Biology.....	\$ 2 250 000	\$ 2 250 000 <sup>1</sup>	.....
Chemistry.....	3 000 000	3 000 000 <sup>1</sup>	.....
Civil Engineering.....	4 216 000	4 216 000	.....
Smith Music Hall Addition.....	2 400 000	.....	\$ 2 400 000
Office-Classroom Building.....	3 000 000	.....	3 000 000
Veterinary Medicine Clinic.....	4 000 000	4 000 000	.....
<i>Subtotal.....</i>	<i>(18 866 000)</i>	<i>(13 466 000)</i>	<i>(5 400 000)</i>
Medical Center			
Physical Plant Service Building... 1 500 000	.....	.....	1 500 000
Addition to Dentistry-Medicine- Pharmacy Building.....	2 500 000	.....	2 500 000
<i>Subtotal.....</i>	<i>(4 000 000)</i>	<i>(.....)</i>	<i>(4 000 000)</i>
<i>Total Major Buildings.....</i>	<i>\$22 866 000</i>	<i>\$13 466 000</i>	<i>\$ 9 400 000</i>
<i>Other Capital Needs</i>			
Remodeling, Modernization, Minor Additions.....	\$ 2 900 000	\$ 2 900 000	.....
Funds to Supplement Outside Grants 1 700 000	.....	1 650 000 <sup>2</sup>	\$ 50 000
Power Plant Addition (Urbana- Champaign).....	4 000 000	..... <sup>3</sup>	4 000 000 <sup>3</sup>
Land Acquisition.....	1 000 200	1 000 200	.....
Planning Funds.....	1 900 000	900 000	1 000 000
Improvements for Protection of Life and Property.....	258 840	258 840	.....
Improvements to Grounds.....	440 700	394 000	46 700
<i>Total New Projects.....</i>	<i>\$35 065 740</i>	<i>\$20 569 040</i>	<i>\$14 496 700</i>
<i>Equipment for Buildings Built from Bond Issue.....</i>	<i>4 799 500</i>	<i>4 799 500</i>	<i>.....</i>
<i>Total.....</i>	<i>\$39 865 240</i>	<i>\$25 368 540</i>	<i>\$14 496 700</i>
Deduct Bond Fund Balances... 5 971 500	.....	6 400 000	428 500 <sup>4</sup>
<i>New Appropriations.....</i>	<i>\$33 893 740</i>	<i>\$18 968 540<sup>2</sup></i>	<i>\$14 925 200<sup>2</sup></i>

<sup>1</sup> Reassignment of Bond Fund balances, \$6,400,000.<sup>2</sup> Of this amount, \$1,150,000 to come from reassigned Bond Fund balances; \$479,000 earmarked for Mental Health Research Building.<sup>3</sup> Funds for necessary power plant addition and utility extension to be added.<sup>4</sup> Add. (Estimate of Bond Fund balance has been increased.)

## BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

## PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

## AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
DONALD THOMAS DIEDRICH	Rockford, Illinois	California
OSCAR ISADORE GOLDBERG	St. Louis, Missouri	Missouri
HOWARD LESTER STERNBERG	Chicago, Illinois	District of Columbia
JACK EDGAR WAGAR	Barrington, Illinois	Michigan

The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded to the following candidates who passed the standard written examination given in November, 1962, and who have fulfilled all other legal requirements under Sections 1, 2, and 3 of the Illinois Accountancy Act of 1943 as amended:

LEONARD WALLACE ARENTSEN, Elmwood Park, Illinois	DAVID LOUIS BUCHHOLZ, Elk Grove Village, Illinois
KEITH CONRAD AXTELL, Evanston, Illinois	THOMAS ANTHONY BUETTNER, Chicago, Illinois
JOHN WILLIAM BACKMAN, Oak Park, Illinois	GEORGE HAMILTON BUNGE, Chicago, Illinois
PHILIP LOUIS BALL, Skokie, Illinois	HARVEY EDWARD CAMPBELL, Chicago, Illinois
DALE LESTER BARAKS, Moline, Illinois	CHARLES GRIFFIN CARPENTER, Urbana, Illinois
MAX AVROM BARTELSTEIN, Chicago, Illinois	MARSHALL LEROY CARPENTER, Lombard, Illinois
WILLIAM LEE BECK, Clarendon Hills, Illinois	JAMES GRONAU CARR, Chicago, Illinois
HOWARD ROBERT BENDITZSON, Evanston, Illinois	CONRAD WALTER CHERRY, Oak Lawn, Illinois
ROBERT LEONARD BERGE, Berwyn, Illinois	BARRY STUART CHESSICK, Chicago, Illinois
JOHN JAMES BERGER, Mt. Prospect, Illinois	JOHN ANGELO COCALAS, Cicero, Illinois
RODNEY MERLIN BLOOM, Park Forest, Illinois	JORDAN HARVEY COHEN, Chicago, Illinois
JERRY ALAN BLUMENSHINE, Des Plaines, Illinois	PHILLIP WORTH CRAWFORD, Park Forest, Illinois
EDWARD JOHN BOCK, McHenry, Illinois	DONALD BROWNLIE CULLEN, Chicago, Illinois
ROBERT CHARLES BONGES, Ottawa, Illinois	MICHAEL WILLIAM DALY, Chicago, Illinois
HAROLD SHELDON BOTT, Jr., Kenilworth, Illinois	RICHARD ANTHONY DAUNORAS, Glenview, Illinois
SEYMOUR BRANDIN, Chicago, Illinois	IRWIN THEODORE DAVID, Chicago, Illinois
JOHN PAUL BREITBACH, Peoria, Illinois	PHYLLIS BOUTON DITTMER, East Peoria, Illinois
MICHAEL MARTIN BROWN, Chicago, Illinois	TIMOTHY JOSEPH DONOHUE, Chicago, Illinois
JEROME JOHN BRYG, Melrose Park, Illinois	

- ROBERT MICHAEL DUCAY, Brookfield, Illinois  
STUART DUHL, Lincolnwood, Illinois  
DAVID ALLEN DUNNIWAY, Morton, Illinois  
CARL PHILIP EIGELSBACH, Chicago, Illinois  
RONALD ZECIL EMMERMAN, Skokie, Illinois  
DAVID HAROLD FARKAS, Chicago, Illinois  
DONALD CARL FEISTNER, Chicago, Illinois  
EARL ERVIN FELSKE, Chicago, Illinois  
JOHN ROBERT FIELDS, Champaign, Illinois  
ANTHONY JOHN FILOSA, Melrose Park, Illinois  
BARRY EVAN FINK, Chicago, Illinois  
ROBERT JOHN FORSBERG, Naperville, Illinois  
LARRY LEE FREDERICKSEN, Park Forest, Illinois  
HARVEY GAFFEN, Chicago, Illinois  
ALEXANDER JOSEPH GIANNONI, Chicago, Illinois  
WILLIAM ALLEN GIFFORD, Northbrook, Illinois  
HOWARD CALVIN GOODE, Chicago, Illinois  
SHELDON GOPIN, Prospect Heights, Illinois  
CARL ANTHONY GORSKI, Chicago, Illinois  
GEORGE FRANK GORSKI, Chicago, Illinois  
JOSEPH STEWARD GRAY, Chicago, Illinois  
DAVID JAY GREENBERG, Niles, Illinois  
CHARLES ALLAN GREENSTEIN, Chicago, Illinois  
BARRY BERNARD GROSS, Chicago, Illinois  
GERALD HAYES GRUBER, Flossmoor, Illinois  
CHARLES HAROLD GUNDERSON, JR., Skokie, Illinois  
SEYMOUR GUTZAIT, Chicago, Illinois  
DONALD DUANE HACKETT, JR., Forest Park, Illinois  
JOHN JOSEPH HALLIGAN, Springfield, Illinois  
WILLIAM PATRICK HANCOCK, Bloomington, Illinois  
THOMAS HUBERT HANSEN, Oak Lawn, Illinois  
JOHN WALTER HAUCH, La Grange Park, Illinois  
MICHAEL GEORGE HAVERTY, Evanston, Illinois  
FORREST DUANE HAYES, Chicago, Illinois  
DALE IRWIN HECOX, Oak Park, Illinois  
STEVEN ALLAN HELFAND, Chicago, Illinois  
WILLIAM ROLAND HINKLE, Glenview, Illinois  
DONALD BURKE HORAN, Chicago, Illinois  
RONALD JOSEPH HUNDMAN, Chicago, Illinois  
GERALD JOHN JACOBS, Rockford, Illinois  
JOHN LEROY JAGER, Chicago, Illinois  
RONALD JAMES JAICOMO, Downers Grove, Illinois  
ALLAN LOUIS JANDERA, La Grange, Illinois  
LARRY D. JOHNSON, Glen Ellyn, Illinois  
HOWARD GORDON KAPLAN, Chicago, Illinois  
JAMES CORBETT KELLEY, Sterling, Illinois  
THOMAS STEPHEN KELLY, La Grange, Illinois  
JEROME KESSLER, West Dundee, Illinois  
RICHARD LOUIS KESSLER, Champaign, Illinois  
COLEMAN EUGENE KLEIN, Chicago, Illinois  
HERMAN ARNOLD KORNTZ, Chicago, Illinois  
LARRY LEE KUPPLER, Decatur, Illinois  
ALBERT KUSHINSKY, Niles, Illinois  
MICHAEL RONALD KUTSKA, Chicago, Illinois  
JOSEPH ANTHONY LAMENDELLA, Chicago, Illinois  
HARVEY IRVIN LAFIN, Skokie, Illinois  
SHERWIN HAYES LEFF, Chicago, Illinois  
HOWARD DAVID LERMAN, Lincolnwood, Illinois  
WILLIAM MORRIS LIEBER, Chicago, Illinois  
JOANNE MARY LOFTUS, Chicago, Illinois  
FRANCES RATNER LOMAN, Chicago Heights, Illinois  
KENNETH WALTER LOSSIN, Worth, Illinois  
MYRON JAMES LOULA, Dolton, Illinois  
HOWARD ALLEN MALIS, Homewood, Illinois  
EDWARD ANTHONY MALLANEY, Bradley, Illinois  
WILLIAM JOSEPH MAMMOSER, Chicago, Illinois  
NORMAN ERWIN MARCOLIN, Chicago, Illinois  
JOHN DAVID MARSHALL, Somonauk, Illinois  
JOHN MICHAEL MAXWELL, Deerfield, Illinois  
JOHN EDWARD MCENROE, Chicago, Illinois  
PATRICK JOSEPH MCGUIRE, South Holland, Illinois  
LEONARD MILLER, Chicago, Illinois  
ERROL PAUL MITLYNG, Park Forest, Illinois



JOSEPH JOHN MORDINI, Norridge,  
Illinois  
FLOYD ELLIS MORROW, Hinsdale, Illinois  
MICHAEL HERBERT MOSS, Chicago,  
Illinois  
EDWARD THOMAS MURPHY,  
Westchester, Illinois  
EUGENE MARTIN MUSIAL, Oak Park,  
Illinois  
WILLIAM L. NOTHMAN, Evanston,  
Illinois  
JAMES HARRY OBRICHT, Chicago,  
Illinois  
DANIEL FRANCIS O'CONNELL, Chicago,  
Illinois  
GERALD WILLIAM O'CONNELL, Chicago,  
Illinois  
DAVID JOHN OESTREICH, Chicago,  
Illinois  
HARVEY JAY OLSHER, Skokie, Illinois  
ROBERT STANLEY OSBORN, Chicago,  
Illinois  
JOHN EDWARD OWENS, Chicago, Illinois  
ANTON STEPHEN PETRAN, Chicago,  
Illinois  
MALCOLM MCGREGOR PRESTON,  
Wilmette, Illinois  
RICHARD BARNEY RAY, Jr., Chicago,  
Illinois  
THOMAS GEORGE REGER, Chicago,  
Illinois  
EDWARD MICHAEL REICHER, Oak Lawn,  
Illinois  
JAMES LOUIS RODI, Elmhurst, Illinois  
SHELDON HAROLD ROSENBERG, Pine  
Grove, Illinois  
JAMES PAUL ROWAN, Naperville,  
Illinois  
JOHN PAUL ROZINSKY, Chicago, Illinois  
ROLAND FRANK SALMONSON, Winnetka,  
Illinois  
MARSHALL WILLIAM SAMUELS, Skokie,  
Illinois  
RICHARD ARTHUR SAMUELSON, Chicago  
Heights, Illinois  
ROBERT MICHAEL SARSANY, La Grange  
Park, Illinois  
WILLIAM BRADFORD SAWTELL,  
Evanston, Illinois  
ROBERT PAUL SCHMIDT, Riverdale,  
Illinois  
DENNIS RAYMOND SCHUELER, Park  
Ridge, Illinois  
PATRICK JOSEPH SCULLION, Morton  
Grove, Illinois  
DANIEL JAMES SHANNON, Chicago,  
Illinois  
ALBERT EDWARD SMITH, Riverdale,  
Illinois  
JAMES HIBBARD SMITH, Midlothian,  
Illinois

I concur.

On motion of Mr. Johnston, these certificates were awarded.

JOEL WELSCH SMITH, Chicago, Illinois  
WALTER DELOS SMITH, Forest Park,  
Illinois  
ROBERT ALLEN SNYDER, Lombard,  
Illinois  
ALFRED THOMAS SPADA, Oak Park,  
Illinois  
ROBERT EDWIN SPELLMEYER, Elgin,  
Illinois  
DEAN E. STAMOS, Chicago, Illinois  
JAMES GADDIS STANFORTH, Chicago,  
Illinois  
RICHARD LEONARD STARKEY, La Grange,  
Illinois  
ALAN LOUIS STEGER, Forest Park,  
Illinois  
WILLIAM CHARLES STEIN, Oak Park,  
Illinois  
DAVID DALE STENTZ, Chicago, Illinois  
RICHARD CLARENCE STEPHAN, Chicago,  
Illinois  
DAVID LEE STOCKING, Rockford,  
Illinois  
LOUIS EUGENE STRIEGEL, Jr., Normal,  
Illinois  
LEE PAUL SWITZER, Chicago, Illinois  
RICHARD FRANCIS TEERLINK, South  
Holland, Illinois  
STEWART THOMPSON, Chicago, Illinois  
THEODORE JAMES THOMPSON, Chicago,  
Illinois  
ROBERT JAMES TOMSOVIC, Chicago,  
Illinois  
EARL KAY TURNIPSEED, Winfield,  
Illinois  
JAMES FRANCIS VOELLINGER, Belleville,  
Illinois  
RALPH JOHN WAGNER, Oak Lawn,  
Illinois  
SHELDON JAY WEINSTEIN, Chicago,  
Illinois  
CHARLES MORRIS WEISS, Chicago,  
Illinois  
PAUL WARREN WENTZIEN, Chicago,  
Illinois  
CHARLES AUGUST WERNER, La Grange  
Park, Illinois  
THOMAS GUY WEST, Galesburg,  
Illinois  
HOWARD JOSEPH WILES, Peoria, Illinois  
GERALD LEO WOLF, Glenview, Illinois  
JOHN JEFFERSON WOOLLEY, Rolling  
Meadows, Illinois  
ALLAN ARNOLD WULFSTAT, Chicago,  
Illinois  
DANIEL MICHAEL WYNN, Wilmette,  
Illinois  
ALAN LAURENCE ZABLE, Oak Park,  
Illinois  
JOSEPH JOHN ZAHAITIS, Chicago,  
Illinois

### APPOINTMENTS TO THE FACULTY

(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. JAMES M. ALSOBROOK, JR., Visiting Assistant Professor of Psychology, beginning February 1, 1963, on one-third time, at an annual salary of \$2,400 (E33).
2. JOHN H. AUSTIN, Assistant Professor of Sanitary Engineering, in the Department of Civil Engineering, beginning September 1, 1963, at an annual salary of \$8,100 (B).
3. ROGER N. HANCOCK, Visiting Assistant Professor of Philosophy, for four and one-half months from February 1, 1963, at a salary of \$3,800 (E).
4. WALTER HIRSCH, Professor of Psychiatry, in the College of Medicine, beginning December 1, 1962, without salary (DY).
5. ELBERT R. JAYCOX, Associate Professor of Apiculture, in the Department of Horticulture, beginning April 1, 1963, at an annual salary of \$11,000 (DY).
6. FRITZ LÜTY, Visiting Associate Professor of Physics, for seven months from April 1, 1963, at a salary of \$9,800 (G).
7. WILLIAM E. MONTAGUE, Visiting Assistant Professor of Psychology, for four and one-half months from February 1, 1963, at a salary of \$5,000 (E).
8. HAROLD J. RHODES, Assistant Professor of Pharmacy, beginning January 1, 1963, at an annual salary of \$9,000 (D).
9. JOHN H. TALBOTT, Lecturer in Medicine with rank of Professor, beginning January 1, 1963, without salary (DY).
10. ROBERT A. WISE, Professor of Surgery, assigned to Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, for two years from January 7, 1963, at an annual salary of \$15,000 (FY).

On motion of Mr. Dilliard, these appointments were confirmed.

### COLLEGE OF BUSINESS ADMINISTRATION AT CHICAGO UNDERGRADUATE DIVISION AND CONGRESS CIRCLE

(3) The Board of Trustees has authorized expansion of the educational program for the Chicago Undergraduate Division which includes, as major administrative units for the new Congress Circle campus during the initial stage of development, Colleges of Liberal Arts and Sciences, Engineering, Commerce and Business Administration, Fine and Applied Arts (now Architecture and Art); and Divisions of Education and of Physical Education.

The faculty of Commerce and Business Administration and the Vice-President for the Chicago Undergraduate Division recommend changing the name of the college to College of Business Administration.

I concur in this recommendation.

On motion of Mr. Swain, this recommendation was approved.

### APPOINTMENT OF DEAN OF COLLEGE OF BUSINESS ADMINISTRATION AT CHICAGO UNDERGRADUATE DIVISION

(4) The Vice-President for the Chicago Undergraduate Division recommends the appointment of Dr. Raymond W. Coleman, presently Professor of Economics and Management at the University of West Virginia, as Professor of Economics and Management on indefinite tenure and Dean of the College of Business Administration at the Chicago Undergraduate Division and at Congress Circle, beginning June 16, 1963, at a salary of \$21,500 per year on a twelve-month service basis.

The nomination for this appointment was made by an *ad hoc* Committee,<sup>1</sup> and the recommendation is submitted after consultation with the faculty of Commerce and Business Administration, with the Vice-President's Advisory Council at the Chicago Undergraduate Division, and with the Dean and several department heads of the College of Commerce and Business Administration at Urbana-Champaign; and is concurred in by the Executive Vice-President and Provost and the Dean of the Graduate College.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

<sup>1</sup> Norman A. Parker, Vice-President for the Chicago Undergraduate Division, Chairman; Jack W. Peltason, Dean, College of Liberal Arts and Sciences, Urbana; Dwight Flanders, Professor of Economics, Urbana; Lucile Derrick, Professor of Economics, Chicago Undergraduate Division; and Albert J. Schneider, Associate Professor of Accountancy, Chicago Undergraduate Division.

#### HEADSHIP OF THE DIVISION OF GENERAL STUDIES

(5) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Dr. Halbert E. Gulley as Professor of Speech on indefinite tenure and Head of the Division of General Studies, effective at the beginning of the second semester, at an annual salary of \$11,500.

Professor Gulley has been serving as Acting Head of the Division since September, 1962, succeeding Professor James M. McCrimmon who asked to be relieved of his administrative duties so that he could devote full time to teaching and to research in the teaching of English. In submitting his recommendation, the Dean states: "Professor Gulley has been an energetic and vigorous member of the Division, and under his leadership it will continue to make progress." The recommendation has the unanimous support of the Executive Committee of the College, the Head of the Department of Speech and Theatre, and is concurred in by the Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.

#### CHANGE IN ORGANIZATION OF DEPARTMENT OF BOTANY

(6) The Department of Botany is presently administered under a chairmanship organization. On the basis of a majority vote of the members of the department of professorial rank, the Dean of the College of Liberal Arts and Sciences recommends that the form of departmental organization be changed from a chairmanship to a headship, effective September 1, 1963.

The Dean also recommends that Dr. John Laughnan of the Department of Botany be appointed Professor of Botany and Professor of Plant Genetics in Agronomy, on indefinite tenure, and Head of the Department of Botany, effective September 1, 1963, at an annual salary of \$17,450, on a nine-month service basis.

The recommendation for this appointment is submitted after consultation with the members of the staff of the Department of Botany and is supported by the Director and Executive Committee of the School of Life Sciences, the Dean of the Graduate College, and the Executive Vice-President and Provost.

I concur in these recommendations.

On motion of Mr. Hughes, these recommendations were approved.

#### REVISIONS IN MAJORS AND MINORS IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES

(7) The Urbana-Champaign Senate has approved recommendations from the College of Liberal Arts and Sciences for a major in biology sponsored by the School of Life Sciences; for changes in majors and minors in the sciences and letters curriculum; and for changes in majors and minors in music, classics, rhetoric, speech, and English.

A supporting memorandum giving the details of these revisions is submitted herewith and a copy is being filed with the Secretary of the Board for record.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

These changes are effective for students enrolling in September, 1963, and thereafter. Although Board approval is not required, the changes are nevertheless reported for official record.

On motion of Mrs. Watkins, these revisions were accepted for official records.

#### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(8) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

##### *Urbana-Champaign*

##### 1. College of Agriculture

Department of Food Technology, moving into and equipping Burn-	
sides Research Laboratory.....	\$ 17 700 00
Animal Sciences Laboratory, prefabricated refrigerated controlled	
environmental walk-in room.....	12 000 00
Department of Forestry, plywood shear testing machine.....	2 700 00

2. College of Education	
Department of Vocational and Technical Education, equipment.....	4 990 00
3. College of Engineering	
Department of Electrical Engineering, equipment.....	10 890 00
Department of Civil Engineering, equipment.....	22 300 00
Department of Mining, Metallurgy, and Petroleum Engineering, machine tools .....	9 305 00
4. College of Fine and Applied Arts	
Department of Art, equipment.....	13 000 00
5. College of Liberal Arts and Sciences	
Department of Chemistry and Chemical Engineering, equipment for teaching laboratories .....	70 000 00
Language Laboratory, equipment.....	24 750 00
6. Library, library additions (book and binding funds).....	50 000 00
7. Physical Plant	
Classroom remodeling and rehabilitation.....	60 000 00
Remodeling buildings at 1208 West Springfield Avenue and 1116 West Illinois Street, Urbana, for the University High School Mathematics Project .....	3 500 00
Remodeling of College of Engineering administrative offices.....	19 290 00
Air conditioning in Civil Engineering Hall.....	18 585 00
Remodeling of Room 50 in Electrical Engineering Building.....	27 844 79
Remodeling of rooms, including installation of new lighting, in Harker Hall, assigned to Department of Chemistry and Chem- ical Engineering for staff offices.....	5 900 00
Remodeling in Lincoln Hall for Language Laboratory and Depart- ment of Speech and Theatre.....	10 785 00
Remodeling in Hydraulics Research Laboratory.....	8 960 00
Welding system for sculpturing classes.....	3 195 00
Light fixtures for Smith Music Hall.....	5 585 00
Remodeling in Gregory Hall for Department of Psychology labo- ratories .....	5 300 00
Remodeling of Room 19 in the Library.....	5 880 00
Remodeling in Men's Old Gymnasium (construction of a circuit training course and air conditioning of the Therapeutic Exer- cise Clinic) .....	7 880 00
Painting and redecorating lounge in Women's Gymnasium.....	3 045 00
Painting of Large Animal Clinic.....	4 750 00
<i>Total, Urbana-Champaign</i> .....	\$428 134 79

*Chicago Undergraduate Division*

1. College of Liberal Arts and Sciences, biological sciences equipment.\$	5 040 00
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*Medical Center*

1. Pharmacy, laboratory equipment for Drug and Horticultural Ex- periment Station .....	\$ 7 220 00
2. Research and Educational Hospitals, cardiac catheterization laboratory equipment .....	55 000 00
<i>Total, Medical Center</i> .....	\$ 62 220 00
<i>Grand Total</i> .....	\$495 394 79

I concur.

On motion of Mr. Johnston, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**REVISIONS IN STUDENT SERVICE FEES**

(9) The Committee on Fees recommends a revision of the Student Service Fee charged on the Urbana-Champaign campus, effective September 1, 1963, according to the schedule below.

	Range I		Range II		Range III	
	<i>Present</i>	<i>Proposed</i>	<i>Present</i>	<i>Proposed</i>	<i>Present</i>	<i>Proposed</i>
	<i>Above 10 hours</i>		<i>Above 5 to 10 hours</i>		<i>Above 0 to 5 hours</i>	
	<i>Above 2½ units</i>		<i>Above 1¼ to 2½ units</i>		<i>Above 0 to 1¼ units</i>	
Semester.....	\$40 00	\$40 00	\$30 00	\$25 00	\$25 00	\$10 00
	<i>Above 8 hours</i>		<i>Above 4 to 8 hours</i>		<i>Above 0 to 4 hours</i>	
	<i>Above 2 units</i>		<i>Above 1 to 2 units</i>		<i>Above 0 to 1 unit</i>	
Twelve-Week Summer Term (Institutes).....	\$30 00	\$30 00	\$25 00	\$20 00	\$20 00	\$10 00
	<i>Above 5 hours</i>		<i>Above 2½ to 5 hours</i>		<i>Above 0 to 2½ hours</i>	
	<i>Above 1¼ unit</i>		<i>Above ¾ to 1¼ units</i>		<i>Above 0 to ¾ unit</i>	
Eight-Week Summer Session.....	\$20 00	\$20 00	\$15 00	\$13 00	\$10 00	\$ 5 00
	<i>Above 2 courses</i>		<i>2 courses</i>		<i>1 course</i>	
Six-Week Winter Short Course in Agriculture and Home Eco- nomics.....	\$15 00	\$15 00	\$15 00	\$10 00	\$10 00	\$ 5 00

Fee for noncredit registrations of students in residence for thesis research only: \$10.00 a semester and \$5.00 for the summer session, reduced from \$15.00.

It will be noted that the changes are in the direction of reducing the fee charged students registered for partial programs of work, many of whom—usually school teachers—commute to the campus for a single course.

I concur.

On motion of Mr. Swain, the recommended changes were approved.

#### CONTRACT FOR SANITARY SEWER

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contract to Cross Construction, Inc., Urbana, Illinois, the lowest bidder, for construction of a sanitary sewer to the new College of Education and College of Commerce buildings, and to other buildings in their area, at a total price of \$58,936.30, being the amount of the base bid plus additive alternates for rerouting existing sewers to the new sewer and providing granular fill for that portion of the sewer under Taft Drive.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### CONTRACTS FOR LANDSCAPING OF SITES OF NEW BUILDINGS AT URBANA-CHAMPAIGN

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for landscaping of areas of four new buildings recently constructed or now being completed on the Urbana-Champaign campus, the award in each case being to the lowest bidder:

Twin City Landscape Service, Inc., Urbana, Illinois—for complete landscape work in the Assembly Hall area.....	\$49 009 92
J. R. Ingels, an individual doing business as Henry Nurseries, Henry, Illinois—for complete landscaping at the Burnside Research Laboratory, Health Service Addition to McKinley Hospital, and Physical Plant Service Building.....	10 977 09

Funds are available in the construction budgets of the four buildings.

I concur.

On motion of Mr. Dilliard, these contracts were awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### CONTRACT FOR CAMPUS TREE PLANTING

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$15,926.04 to Wendell Bridges, an individual doing business as the Bray Landscape Service, Champaign, the lowest bidder, for the third phase of the campus tree-planting program in accordance with the plan approved by the Board of Trustees on January 11, 1962, for gradual replacement of trees lost by disease.

This contract is for planting trees on Burrill Avenue between Springfield Avenue and Green Street; on Florida Avenue from the Illinois Central Railroad east to Fourth Street; on the south side of Nevada Street from Goodwin Avenue east to Gregory Place extended; on the east side of Wright Street from University Avenue to Springfield Avenue; along the entrance walks on the east and west sides of the Memorial Stadium between Florida Avenue and Peabody Drive and on the south side of the Stadium.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### EMPLOYMENT OF ENGINEERS

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of the following firms on the terms indicated for projects at the Urbana-Champaign campus:

Engineering Service for Air-Conditioning University Library — Associated Engineers, Inc., Peoria, Illinois, at a fee of 6 per cent of construction costs of work designed and/or specified by the firm. The work will include preliminary design, working drawings and specifications, analysis of bids, and office and supplemental job supervision for air-conditioning installations in the University Library, excluding the stacks and the new wing (the seventh addition) now under construction. The latter will be air-conditioned as a part of the present construction contract.

Report on Improvements to Water Distribution System — Warren and Van Praag, Inc., Decatur, Illinois, at a cost of actual salaries of personnel employed on the project, plus 100 per cent for overhead and commission, and reimbursement for direct costs such as lodging and subsistence, long-distance telephone calls, and transportation; maximum cost to the University is not to exceed \$10,000. The firm will provide the University with: a complete report on the condition of the existing facilities — water mains, connections, and storage; and recommendations and estimates of cost for improvements to the water supply system to provide an adequate reliable supply for the present and proposed expansion programs developed for each biennium, based on capital improvements planned for the next ten years.

Funds are available for these projects in the state capital appropriations to the University from the Universities Building Fund, and have been released.

The recommendations have been approved by the Advisory Committee on the Selection of Architects and Engineers and the Committee on Buildings and Grounds.

I concur.

On motion of Mr. Williamson, these recommendations were approved.

**BEQUEST OF IONE FISHER BEEM FOR SCHOLARSHIP IN MEDICINE**

(14) The University has received from the executor of the estate of the late Dr. Ione Fisher Beem, a graduate of the College of Medicine, Class of 1913, \$10,000 representing in full payment of the following bequest: "I give and bequeath to the Board of Trustees of the University of Illinois, the sum of ten thousand dollars (\$10,000) to be used under the direction of the Board for a scholarship fund, the income of which shall provide a scholarship for a woman medical student. The woman medical student shall be selected through the Medical School Faculty."

I recommend that the fund be set up as an endowment to be known as the Ione Fisher Beem Scholarship, the income to be used for award of an annual scholarship to a woman medical student in accordance with the established procedures for awards of scholarships.

On motion of Mr. Swain, this recommendation was approved.

**PURCHASES****Purchases Authorized**

(15) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase was recommended on the basis of the lowest acceptable bid.

These purchases were made from Institutional Funds, which term is used to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of hospital equipment and supplies	Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)	V. Mueller & Co., Chicago	\$ 3 530 00 f.a.s. New York, N.Y.
One electric sterilizer	Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)	American Sterilizer Co., Chicago	2 602 00 f.a.s. San Francisco, Calif.
Eighteen radio receiver assemblies, each consisting of two radio receivers mounted on a standard 5-in. relay rack panel with each receiver including a plug-in radio frequency preamplifier-converter, twelve tuned at 25 mc., twelve at 40 mc., and twelve at 50 mc.	Astronomy	The Magnavox Co., Urbana	11 835 00 f.o.b. delivered
Eighteen additional converter units, six each at 25, 40, and 50 mc.			
Eighteen additional circuit boards			
One fork lift truck, 1½ gas powered, capacity 2,000 pounds at 24-in. lift height, 37 horsepower at 2500 rpm, capable of transporting full loads on grades of at least 32 degrees	Assembly Hall	M. H. Equipment, Inc., Peoria	4 909 80 f.o.b. delivered
One lot of laboratory apparatus and supplies (estimated three-month supply): 400 cases of laboratory glassware including 200 cases of assorted Corning glassware and 200 cases of assorted Kimble glassware ordered in maximum discount quantities according to published fair trade prices in effect at time of shipment	General Chemical Stores	Scientific Products Division, American Hospital Supply Corp., Evanston	78 957 31 f.o.b. delivered

On motion of Mr. Williamson, these purchases were approved.

**Purchases Recommended**

The Director of Purchases has proposed and the Vice-President and Comptroller

troller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

*Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Print and bind 2,700 copies of <i>Biennial Report of Agricultural Experiment Station, 1960-62</i> , approximately 192 pages per copy, trim size 6 in. by 9 in. (The final cost may exceed \$2,500 depending on the exact number of pages per copy.)	Agricultural Administration	Pantagraph Printing & Stationery Co., Bloomington	\$ 2 418 81 f.o.b. delivered
Complete physiograph with marker, three channels, mobile cabinet, dual beam neurophysiograph, electrodes, and accessories	Biological Sciences, Chicago Undergraduate Division	E & M Instrument Co., Houston, Texas	5 040 00 f.o.b. Houston, Texas
Two recorders, two-channel, portable, dc/coupling, sensitivity 10 mv/mm. to 10v/mm.; smooth gain adjustment; heat rectilinear recording; chart speeds 1 mm. per second to 100 mm. per second; frequency response 0 to 125 cps	Electrical Engineering	Sanborn Company, c/o Croesley Associates, Chicago	2 790 00 f.o.b. Waltham, Mass.
One vessel, pressure, 7 ft. long by 2 ft. diameter, 800 PSL, with quick-opening door for use in the study of pressure treatment of wood	Forestry	Nooter Corp., St. Louis, Mo.	7 270 00 f.o.b. delivered
One grinding machine, hydraulic cylindrical, 5 in. by 12 in., small capacity but very high precision to do precision external grinding	Industrial Education Division	Bentley Industrial Corp., Long Island City, N.Y.	4 975 00 f.o.b. delivered
25,000 chart folders 25,000 prenumbered master cards 1,000 unnumbered master cards	Medical Records, Chicago	Crown Office Supply Co., Chicago	5 673 25 delivered
One piano, grand, 7 ft. long, ebony finish, to be delivered to Smith Music Hall	School of Music	Peoria Musical Instrument Co., Peoria	3 300 00 f.o.b. delivered
40,000 tetracycline V capsules, 250 mg., and 1,000 vials tetracycline i.v., 500 mg.; this product is an antibiotic drug which is used in the treatment of a variety of bacterial infections (this represents a six-month supply)	Pharmacy, Chicago	The Upjohn Co., Chicago	6 177 00 delivered
One building, steel rigid frame type, 40 ft. by 60 ft. size, complete with concrete foundation and floor, overhead and service doors, roof ventilators and roof light panels, to be constructed at site south of Physics Research Laboratory	Physics-Betatron	L. E. Devore Co., Decatur	9 586 00 f.o.b. delivered and erected
One building, lumber, rigid frame type, 20 ft. by 50 ft., complete with concrete foundation and floor, overhead door and service door, to be constructed at Veterinary Research Farm, South Race Street, Urbana	Veterinary Medicine	Hazen & Franks Builders' Supply, Inc., Tolono	2 800 38 f.o.b. delivered and erected
Two each containers, refuse, 30 cubic yard capacity, for use in the trash collection system currently being used on the Urbana campus; these containers are to be located at the new Physical Plant Service Building	Physical Plant	Coleman and Associates, Rockford	5 300 00 delivered
Special electric motors for Abbott Power Plant replacements: One 60 horsepower, 3600 rpm, 440 volt, 3 phase, 60 cycle, drip-proof with transition base One 100 horsepower, 1800 rpm, 4000 volt, 3 phase, 60 cycle, drip-proof with transition base One 300 horsepower, 1200 rpm, 4000 volt, 3 phase, 60 cycle, drip-proof with transition base	Physical Plant	General Electric Co., Springfield	7 320 80 f.o.b. delivered



Item	Department	Vendor	Cost
Nuclear energy liability insurance providing liability coverage up to an annual aggregate of \$250,000; excess coverage provided under license granted by the Atomic Energy Commission from \$250,000 to \$500,000,000	Nuclear Engineering	The J. S. Freilinghuysen Corp., New York, N.Y., broker for the Nuclear Energy Liability Insurance Association	\$ 4 500 00

*Purchases from Institutional Funds*

40.65 tons diammonium phosphate fertilizer and 21.65 tons granular high analysis phosphate fertilizer for Alerton Trust Farms	Agricultural Economics	Tennessee Valley Authority, Wilson Dam, Ala.	4 461 75 f.o.b. Sheffield, Ala.
One each special harvester, forage plot, hydraulically powered and self-propelled including gasoline engine, battery, and tires	Agronomy	Taylor Brothers Welding, Tamaroa	4 745 00 f.o.b. delivered
Seven laboratory microscopes, less trade-in of two used microscopes	Anatomy, Chicago	A. S. Aloe Co., Schiller Park	3 898 65 delivered
Two trucks, 1963 model, 20,000 lb., g.v.w., with 40-inch grain bed and 26-inch fold-down stock rack, less trade-in of one truck, 1955 model, and one truck, 1949 model, both with combination grain and stock beds	Animal Science	International Harvester Co., Springfield	7 104 20 delivered
One lot of furniture for offices of College of Architecture and Art consisting of four desks, six chairs, four cabinets, two settees, one magazine table, four lamps, and other office accessories	Architecture and Art, Chicago	Business Interiors, Inc., Forest Park	4 485 36 delivered and set in place
One sterilizer, laboratory type, steam operated, double wall, size 20 in. by 36 in. for general laboratory use on the sixth floor of Morrill Hall in the Botany Department	Botany	American Sterilizer Co., Chicago	3 083 00 f.o.b. delivered
One sterilizer, laboratory type, steam operated, double wall, size 20 in. by 36 in. for general laboratory use on the first floor of Morrill Hall in the Botany Department	Botany	American Sterilizer Co., Chicago	3 083 00 f.o.b. delivered
One gas chromatograph with eight collection bottles, one 20 ft. by $\frac{3}{8}$ in. column, recorder, and disc integrator, to be used to separate chemical compounds found in the gas phase	Chemistry and Chemical Engineering	Wilkins Instrument & Research, Inc., Walnut Creek, Calif.	4 565 80 delivered
150 cases laboratory pipettes including volumetric, measuring, sero (blood) oswald and automatic types, for stock in the General Chemical Stores, estimated to be a three-month supply	General Chemical Stores	Bellco Glass, Inc., Vineland, N.J.	5 708 53 f.o.b. delivered
Six power supply modules with optional heat sinks	Digital Computer Laboratory	N J E Corp., Kenilworth, N.J.	9 780 00 f.o.b. Urbana
1,000 connectors, special taper pin, printed circuit type with sleeves	Digital Computer Laboratory	Viking Industries, Inc., Canoga Park, Calif.	5 250 00 f.o.b. delivered
One oscilloscope, digital read, rack mount, 3.5 kv; one plug-in unit, sampling dual trace; one plug-in unit, sampling sweep; one plug-in unit, digital; one flexible extension; two extension boards; two probes	Digital Computer Laboratory	Tektronix, Inc., Park Ridge	5 188 00 f.o.b. Beaverton, Ore.
Authorization for a change order for purchase order to delete one lp-3 line printer (a discontinued printer) and add lp-12 line printer for the Bendix G-20 computer system	Electrical Engineering	Bendix Computer Division Bendix Corp., Chicago	14 900 00 f.o.b. delivered
One spectrophotofluorometer with optical unit oscillograph, photomultiplier tube, infrared attachment, recorder, polarizing attachment and ten cells for studies on the interaction of fluorescent molecules with proteins and other materials in Food Technology	Food Technology	American Instrument Co., Inc., Silver Spring, Md.	8 897 70 f.o.b. delivered
One used IBM-526 printing summary punch, model 001	Forestry	International Business Machines Corp., Springfield	3 210 00 f.o.b. delivered and installed

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of laboratory supplies consisting of five 150 case orders borosilicate laboratory glassware, 2,200 gross microscope slides, 113 dozen plastic bottles, 270 gross disposable pipets, 36 dozen cover glasses, 111 packages filter paper, 12 pipet jars, 1,000 books lens paper, and 72 glass-marking pencils	Medical Center Stores, Chicago	Scientific Products, Evanston	\$20 130 00 delivered
One lot of laboratory equipment supplies, consisting of one refrigerated centrifuge and accessories, 480 rolls of aluminum foil, and 480 pints of chloroform reagent	Microbiology, Chicago	LaPine Scientific Co., Chicago	3 418 00 delivered
One fundus camera and accessories consisting of one magnifying attachment, and one fixation device (Note: This purchase will be made from both Appropriated Funds, \$2,025.10, and Institutional Funds, \$1,693.90; total, \$3,719.00.)	Ophthalmology, Chicago	House of Vision, Chicago	1 693 90 delivered
One spectrophotometer with micro cell attachment and circulating thermostat	Oral Pathology, Chicago	W. H. Kessel & Co., Chicago	6 350 00 delivered
Accessory equipment consisting of variable temperature probe, temperature controller, and low temperature kit to be installed on the nuclear magnetic resonance spectrometer in the Department of Chemistry, College of Pharmacy	Pharmacy, Chemistry	Varian Associates, Palo Alto, Calif.	2 845 00 f.o.b. Chicago
One automatic blood cell counter with size distribution plotter	Physiology, Chicago	Coulter Electronics Sales Co., Chicago	6 975 00 delivered
One oscilloscope and accessories, consisting of dual trace preamplifier, cart, and hinged camera mount	Physiology, Chicago	Hughes Aircraft Co., Vacuum Tube Products Division, Oceanside, Calif.	3 375 00 f.o.b. Oceanside, Calif.
Two shipping containers for liquid nitrogen mounted on special in-plant trailers, for transfer of liquid nitrogen from central storage vessel at Physics Building to several laboratories in the Department of Chemistry and Chemical Engineering	Physics	Burns Machine Co., Ottawa	12 257 00 f.o.b. delivered
One cesium bromide interchange assembly, range 11-35 microns linear wavelength	Physics	Beckman Instruments, Inc., Lincolnwood	3 420 00 f.o.b. delivered
One cesium iodide thermocouple for use with above interchange These items are accessory attachments for existing Physics Department recording spectrophotometer valued at \$12,560; they will be used to study the absorption spectra and photoconductivity of semiconducting materials such as silicon and germanium	Physics, Chicago	Nucleonic Corp. of America, Brooklyn, N.Y.	2 625 00 delivered
Nuclear equipment consisting of five scalars, three multi-detector mount and shield and accessories	Psychiatry, Chicago	Packard Instrument Co., Inc., La Grange	6 295 00 delivered
One liquid flow spectrometer with continuous flow detector and recording ratemeter, to be used to measure radioactivity	Psychiatry, Chicago	Technicon Chromatograph Corp., Chauncey, N.Y.	8 566 00 delivered
One amino acid analyzer	Radiocarbon Laboratory, Graduate College	Packard Instrument Co., Inc., La Grange	7 325 00 f.o.b. delivered and installed
One spectrometer, semi-automatic, liquid scintillation (nonrefrigerated) counting system with light tight optical sample changer and automatic load device, and one liquid scintillation flow assembly for use with above spectrometer	Radiocarbon Laboratory, Graduate College	Applied Physics Corp., Monrovia, Calif.	2 920 00 f.o.b. delivered
One high-temperature radioactivity analysis system, including a vibrating reed electrometer, ion-chamber oven and high temperature flow chamber			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One offset duplicating machine, complete with color-head to permit two-color printing simultaneously, double sheet eliminator, conveyor registration board, and standard accessories	Committee on School Mathematics	Addressograph-Multigraph Corp., Peoria	\$ 4 966 38 f.o.b. delivered and installed
119 films, miscellaneous color and black and white, 16 mm.	Visual Aids Service	Coronet Films, Chicago	13 210 00 f.o.b. destination
Fifty-two films, 16 mm., miscellaneous color and black and white	Visual Aids Service	McGraw-Hill Book Co., Text-Film Division, New York, N.Y.	5 938 64 f.o.b. delivered
Forty-nine films, 16 mm., miscellaneous color and black and white, less forty-nine damaged prints returned	Visual Aids Service	Encyclopaedia Britannica Films, Inc., Wilmette	6 875 00 f.o.b. Wilmette
Print and bind 2,000 copies of <i>Charles Evans, American Bibliographer</i> , by Edward G. Holley, approximately 364 pages per copy, trim size 6 in. by 9 in.	University Press	Vail-Ballou Press, Inc., New York, N.Y.	5 253 35 f.o.b. delivered
Print and bind 2,000 copies of <i>Patterns of Good And Evil</i> , by D. W. Gotshalk, approximately 160 pages per copy, trim size 6 in. by 9 in.	University Press	Pantagraph Printing & Stationery Co., Bloomington	2 726 57 f.o.b. delivered
Print and bind 30,000 copies of Graduate College Catalog, 1963-64, approximately 336 pages, trim size 6 in. by 9 in.	University Press	Wallace Press, Inc., Chicago	12 182 00 f.o.b. delivered
Print and bind 50,000 copies Undergraduate Study, 1963-64, approximately 360 pages per copy, trim size 6 in. by 9 in.	University Press	Wisconsin Cuneo Press, Inc., Chicago	19 140 00 f.o.b. delivered
Six soft drink dispensers, with manual valves and casters, to dispense two flavors from each unit	Assembly Hall	Pepsi-Cola Champaign-Urbana Bottling Co., Champaign	3 979 80 f.o.b. delivered
One each electronic training assembly units as follows: Fundamentals, laboratory circuit analysis, and trouble shooting Voltage regulator lecture and laboratory circuit analysis Radio and microwave lecture and laboratory circuit analysis and test equipment, synchro lecture demonstration Plus five chassis, three amplifiers, one phase splitter, one gas tube regulator, and one set books for the above	Institute of Aviation	Philco Corp., TechRep Division, Philadelphia, Pa.	4 713 10 f.o.b. delivered
One electronic counter, eight-digit, 0 cps to 20 mc, 100 mv rms sensitivity One frequency converter, 500 mc, plug-in unit for above counter One oscilloscope, dual trace, 200 kc One signal generator 450 to 1230 mc One rf cable assembly One video cable assembly One millivoltmeter 500 kc to 1 kmc	Institute of Aviation	Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago	5 996 50 f.o.b. factory
One aircraft, 1962 model, single engine, four-passenger, complete with navigation and communication radio equipment, less allowance for trade-in of one aircraft, 1955 model, single engine, four passenger, with radio equipment	Institute of Aviation	Walston Aviation, Inc., East Alton	15 675 05 f.o.b. delivered
One engine, aircraft, factory remanufactured, complete with standard accessories, less allowance for trade-in of one used aircraft engine	Institute of Aviation	Southwest Airmotive Co., St. Louis, Mo.	2 635 50 f.o.b. delivered
Thirty-five tons fertilizer mixture, organic and inorganic, analysis 15-5-5	Physical Plant	Champaign County Seed Co., Champaign	4 690 00 f.o.b. delivered
One tractor, 1963, with seven-gang fairway mower units, dual-drive wheels, hydraulic brakes and winchlift hydraulic system, less trade-in of 1957 Worthington tractor	Physical Plant	Leon Short & Sons, Inc., Keokuk, Iowa	6 374 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Three mowers, Toro 76 in. professional five-blade reel mower with semi-pneumatic tires and heavy duty trailing sulky, less trade-in of three 1958 Toro mowers	Physical Plant	Scruggs-Drake Equipment, Inc., Decatur	\$3 459 00 f.o.b. delivered
Two projectors, 16 mm., arc, sound-motion picture, with amplifier and pedestal case, arc lamp of minimum 1600 lumens output, rectifier, 2 in. lens and shutter	Physical Plant	Camera Equipment Co., Inc., New York, N.Y.	4 020 00 f.o.b. delivered
One magnetic pick-up, installed			
One change-over kit for dual projection operation			
Two lenses, anamorphic, with mounting bracket			
One pump, duplex automatic return line vacuum heating, complete with two three-horsepower electric motors and controls	Physical Plant	Stannard Power Equipment Co., Chicago	3 380 00 f.o.b. delivered
One pump, boiler feed, 2½ in. size, four-stage, centrifugal, complete with horizontally split cast iron casing, cast iron bed plate and flexible coupling; this is a replacement for one of four boiler feed pumps at Abbott Power Plant	Physical Plant	Pennsylvania Pump & Compressor Co., Easton, Pa.	3 384 00 f.o.b. Easton, Pa.
50,000 pounds soft white lead paste (for paint), type c, in 100 pound kegs, with 100 kegs to be delivered in March, May, July, September, and November, 1963	Physical Plant	National Lead Co., Chicago	9 225 00 f.o.b. delivered
Two typewriters, automatic, equipped with eight-channel tape-card punch and reader units, with stands, and tape winders	Purchasing Division	Frیدن, Inc., Peoria Heights	9 845 00 f.o.b. delivered and installed
One auxiliary tape reader			
One auxiliary tape punch			
800 overcoats, used, Air Force regulation type, wool, blue, assorted sizes	Purchasing, Military Property Custodian	Bradley University, Military Property Custodian, Air Force R.O.T.C. Unit, Peoria	4 000 00 f.o.b. Peoria
195 case cups, paper, cold drink, various sizes	Office Supply Storeroom	Gershuny & Epstein, Inc., Chicago	3 714 12 f.o.b. delivered
Fifteen case cups, paper, hot drink, various sizes			
80,000 sandwich bags, waxed			
Ten boxes spoons, plastic			
Ten boxes forks, plastic			
Ten boxes knives, plastic			
420,000 file folders, letter and legal size, tag manila, medium weight, for both the Urbana campus and the Chicago colleges and divisions; it is estimated that the above quantity is a ten- to twelve-month stock at the Office Supply Storeroom	Office Supply Storeroom, Urbana, and Chicago Colleges and Divisions	Acro-Adroit, Inc., Chicago	5 124 13 f.o.b. delivered
Group 1 — 21,050 reams paper, No. 4 sulphite spirit fluid duplicator, white	Office Supply Storeroom, Urbana, and Chicago	Hollis & Duncan Co., Inc., Chicago	
Group 2 — 4,386 reams paper, 25 per cent rag bond, watermarked, white; 3,304 reams paper, 50 per cent rag bond, watermarked, white		Group 1 Group 3 Group 4	14 677 54 51 236 07 24 651 45 (90 565 06)
Group 3 — 76,640 reams paper, No. 4 sulphite mimeograph bond, white and buff; 540 reams paper, No. 4 sulphite bond, white and colored		Crescent Paper Co., Champaign	
Group 4 — 30,500 reams paper, sulphite offset, white		Group 2 Group 6 Group 7	20 373 59 2 383 12 4 125 24 (26 881 95)
Group 5 — 1,660 reams paper, machine coated letterpress enamel book paper, white		Decatur Paper Co., Decatur	
Group 6 — 72 reams paper, sulphite cover paper, antique finish, white and colored		Group 5	18 771 40
Group 7 — 126,800 sheets paper, sulphite index white and colored			(Total, 136 218 41) f.o.b. delivered

On motion of Mr. Williamson, these purchases were authorized.

## INVESTMENT REPORT

## Report of the Finance Committee

(16) The Finance Committee reported the following changes in investments of trust funds from October 1 through December 31, 1962:

*Endowment Pool*

## Exchange

\$ 29 000	U. S. Treasury bonds	2 $\frac{1}{4}$ per cent	12/15/62 and
1 000	U. S. Treasury notes	3 $\frac{1}{4}$	11/15/62 for
30 000	U. S. Treasury notes	3 $\frac{1}{2}$	11/15/65

## Purchase

\$ 64 000	Aluminum Company of America	4 $\frac{3}{4}$ per cent	1/1/82	\$ 65 026 25
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*Miller Temporary Endowment*

## Sale

500 shares	Bethlehem Steel common stock		\$ 15 300 99
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## Purchase

\$ 40 000	Federal Land Bank	4 per cent	5/22/67	\$ 40 400 00
34 000	Federal National Mortgage	4 $\frac{1}{8}$	9/10/70	34 286 88

*University of Andes Agency*

## Purchase

\$ 1 000	U. S. Treasury bonds	2 $\frac{1}{2}$ per cent	8/15/63	\$ 1 002 50
5 000	U. S. Treasury bonds	3	2/15/64	5 009 38

## Report of the Comptroller

The Comptroller reports the following changes in investments of unexpended plant and current funds, over which he has authority as indicated:

*Current Funds*

## Restricted Group (June 20, 1962)

## Sale

\$1 500 000	U. S. Treasury bills	1/3/63	\$1 499 600 00
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## Purchase

\$ 400 000	U. S. Treasury bills	10/15/62	\$ 399 682 22
700 000	U. S. Treasury bills	11/15/62	698 337 00
1 500 000	U. S. Treasury bills	11/29/62	1 494 700 22
650 000	U. S. Treasury bills	12/13/62	648 878 06
1 500 000	U. S. Treasury bills	1/3/63	1 493 682 23
250 000	U. S. Treasury bills	3/14/63	248 231 25
400 000	CIT Financial Corporation	7/12/63	390 694 44
100 000	Sears, Roebuck Acceptance Corporation	7/12/63	97 673 61
500 000	Commercial Credit Company	8/30/63	488 281 25
500 000	International Harvester Company	8/30/63	488 281 25

*Construction Funds*

## Assembly Hall (June 23, 1959, and March 17, 1962)

## Sale

\$ 110 000	U. S. Treasury bills	1/15/63	\$ 109 880 83
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## Exchange

\$ 150 000	U. S. Treasury bonds	2 $\frac{1}{4}$ per cent	12/15/62 and
150 000	U. S. Treasury notes	3 $\frac{1}{4}$	11/15/62 for
300 000	U. S. Treasury certificates	3 $\frac{1}{8}$	11/15/63

## Purchase

\$ 850 000	U. S. Treasury bills	2/14/63	\$ 842 293 33
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## Chicago — Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953)

## Purchase

\$ 75 000	U. S. Treasury bills	1/17/63	\$ 74 484 33
325 000	U. S. Treasury bills	4/18/63	320 350 15

## Illini Union and Health Center (December 21, 1960)

Sale				
\$ 160 000	U. S. Treasury bills	11/15/62	\$	159 744 67
Exchange				
\$ 229 000	U. S. Treasury notes	3¾ per cent	11/15/62 for	
229 000	U. S. Treasury certificates	3½	11/15/63	
Purchase				
\$ 300 000	U. S. Treasury bills	3/14/63	\$	297 538 67
190 000	U. S. Treasury bills	4/15/63		188 154 47
200 000	U. S. Treasury bills	12/13/62		199 632 89
100 000	U. S. Treasury bills	1/15/63		99 648 61

## Illinois Street Residence Halls (October 17, 1962)

Purchase				
\$ 200 000	U. S. Treasury bills	1/15/63	\$	199 475 00
150 000	U. S. Treasury bills	2/14/63		149 241 67
200 000	U. S. Treasury bills	3/14/63		198 553 33
250 000	U. S. Treasury bills	4/15/63		247 534 72
360 000	U. S. Treasury bills	5/16/63		355 554 00
360 000	U. S. Treasury bills	6/6/63		354 955 50
350 000	U. S. Treasury bills	7/15/63		344 015 00
670 000	U. S. Treasury certificates	3½ per cent	8/15/63	672 721 88
280 000	U. S. Treasury bills	10/15/63		273 052 89
720 000	U. S. Treasury notes	4¾	11/15/63	732 825 00
590 000	U. S. Treasury bonds	3	2/15/64	590 368 75
1 040 000	U. S. Treasury notes	4¾	5/15/64	1 063 725 00
765 000	U. S. Treasury notes	3¾	8/15/64	772 410 94

## Orchard Downs and SG-2 (June 14, 1960)

Purchase				
\$ 270 000	U. S. Treasury bills	12/20/62	\$	269 163 00
Peabody Drive (October 21, 1959)				
Purchase				
\$ 35 000	U. S. Treasury bills	11/15/62	\$	34 940 68
25 000	U. S. Treasury bills	12/13/62		24 955 28
135 000	U. S. Treasury bills	1/17/63		134 345 59
100 000	U. S. Treasury bills	2/14/63		99 451 67

## Pennsylvania Avenue Residence Halls (June 21, 1961)

Sale				
\$ 150 000	U. S. Treasury bills	10/18/62	\$	149 822 67
186 000	U. S. Treasury bonds	4 per cent	2/15/72	186 552 19
Exchange				
\$ 116 000	U. S. Treasury notes	3¾ per cent	11/15/62 and	
70 000	U. S. Treasury notes	3¾	11/15/62 for	
186 000	U. S. Treasury bonds	4	2/15/72	
Purchase				
\$ 525 000	U. S. Treasury bills	12/13/62	\$	523 163 52
140 000	U. S. Treasury bills	1/15/63		139 618 30
20 000	U. S. Treasury bills	1/17/63		19 895 47
200 000	U. S. Treasury bills	3/7/63		198 671 78
175 000	U. S. Treasury bills	3/14/63		173 836 25

## Student Services Building (May 17, 1961)

Purchase				
\$ 105 000	U. S. Treasury bills	11/15/62	\$	104 795 83
55 000	U. S. Treasury bills	12/13/62		54 868 00
120 000	U. S. Treasury bills	12/20/62		119 730 26

*Sinking Funds*

Chicago — Dentistry-Medicine-Pharmacy Reserve (December 16, 1953)

## Purchase

\$ 3 000 U. S. Treasury bonds 4 per cent 8/15/72 \$ 3 044 06  
 Housing Revenue Bonds (December 17, 1958; June 23, 1959; October 21, 1959;  
 June 14, 1960; June 21, 1961; May 24, 1962; and October 17, 1962)

## Purchase

\$ 111 000 U. S. Treasury bills 3/21/63 \$ 110 139 20  
 111 000 U. S. Treasury  
 certificates 3½ per cent 8/15/63 111 450 94  
 111 000 U. S. Treasury bonds 3 2/15/64 111 069 38  
 106 000 U. S. Treasury notes 3¾ 8/15/64 107 060 00

Men's Residence Halls of 1957 (March 12, 1957, and November 18, 1959)

## Purchase

\$ 5 000 U. S. Treasury bonds 3 per cent 2/15/64 \$ 5 015 63  
 Reserve for Additional 1952 Bonds (December 16, 1953)

## Purchase

\$ 18 000 U. S. Treasury bonds 3¾ per cent 11/15/74 \$ 17 932 50  
 Student Services Building (May 17, 1961)

## Purchase

\$ 1 000 U. S. Treasury bills 12/20/62 993 89

Women's Residence Halls of 1956 (September 18, 1956, and February 15, 1961)

## Purchase

\$ 4 000 U. S. Treasury notes 3¾ per cent 8/15/64 \$ 4 042 50

On motion of Mr. Swain, this report was received for record.

## QUARTERLY REPORT OF THE COMPTROLLER

(17) The Comptroller presented his quarterly report to the Board as of December 31, 1962.

This report was received for record, and a copy has been filed with the Secretary of the Board.

## COMPTROLLER'S REPORT OF CONTRACTS

(18) The Comptroller's report of contracts executed during the period January 1 to 31, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Soft Phosphate Research Institute, Inc.	Factors affecting phosphate utilization	\$ 4 000 00	December 28, 1962
United States Agency for International Development AID-dfe-63	Consolidating facilities of the present college and experiment station at Njala, Sierra Leone	21 000 00	January 15, 1963
United States Air Force AF-AFOSR 7-63	Comprehensive study of the theory and circuitry of systems with mind-like behavior	151 498 00	October 1, 1962
United States Air Force AF-AFOSR 101-63	Angular distribution in effusion	24 771 00	December 1, 1962
United States Air Force AF-AFOSR 177-63	Studies in transistor RC network synthesis	56 850 00	December 1, 1962
United States Army DA 31-124 ARO(D) 52	Organo-metallic chelate compounds	37 364 00	November 1, 1962
United States Army DA 31-124 ARO(D) 55	Electrochemistry of fused salts	19 500 00	December 4, 1962
Wisconsin Free Library Commission	Survey of library reference resources and facilities in Wisconsin	14 298 00	January 15, 1963
<i>Total</i>		<u>\$329 281 00</u>	

## Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
J. I. Case Co.	Rental of farm machinery: one side delivery rake and two implement tires and tubes	\$ 44 65	July 1, 1962

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
John Deere Co.	Rental of farm machinery, eighteen items: \$27.42 to \$579.15	\$ 3 918 94	October and November, 1962
International Business Machines Corp.	Two items: modify card punch and install machine with ten alpha collating positions	432 00	October and December, 1962
International Harvester Co.	Rental of farm machinery, fifteen items: \$5.26 to \$687.77	3 068 61	June, July, August, and September, 1962
MacCarthy Ford Tractor Sales, Inc.	Rental of farm machinery: one cultivator	31 90	October 31, 1962
New Idea Farm Equipment Co.	Rental of farm machinery, four items: \$114.28 to \$156.18	531 92	November, 1962 and January, 1963
Papac Machine Co.	Rental of farm machinery: one harvester with row crop, hay pick-up, and crop blower attachments	392 62	June 22, 1962
Starline, Inc.	Rental of farm machinery: one manure spreader with four tires and tubes	96 30	December 17, 1962
<i>Total</i>		<u>\$ 8 516 94</u>	

**Contract Changes**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Agency for International Development AIDC-1220	Establish Indian Institute of Technology, Kharagpur, West Bengal, teacher training programs in engineering	\$234 000 00	October 10, 1962
United States Air Force AF 29(601) 434	Confidential	268 50	November 28, 1962
United States Air Force AF 29(601) 464	Analysis and design of domes, arches, and shells	7 118 96	December 13, 1962
United States Air Force AF 29(601) 1185	Confidential	8 611 68	November 28, 1962
United States Air Force AF 29(601) 2390	Confidential	4 332 41	December 5, 1962
United States Air Force AF 29(601) 2591	Analysis and design of domes, arches, and shells	3 854 00	December 4, 1962
United States Air Force AF 40(600) 909	Determining pressure in an ultra-high vacuum chamber	3 577 15	January 3, 1963
United States Air Force AF 41(657) 359	Cardiovascular effects of refeeding stress following starvation	17 422 00	October 1, 1962
United States Army DA 49-193-MD-2047	Anti-radiation drugs	1 730 00	December 18, 1962
United States Atomic Energy Commission AT (11-1) 1195	Research in elementary particle physics	730 000 00	November 1, 1962
United States Navy NBy 37633	Multiple panel reinforced concrete slabs	4 000 00	December 17, 1962
United States Navy N61339-297	Visual displays for aviation training	1 252 00	December 28, 1962
<i>Total</i>		<u>\$1 016 166 70</u>	

**Adjustments Made in 1962-63 Cost-Plus Contracts**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Twenty-one items: \$278.25 deduct to \$1,500.00	\$ 2 615 48	December, 1962 and January, 1963

This report was received for record.

**COMMITTEE ON INSTITUTIONAL COOPERATION**

**Graduate Student Exchange Program and Far Eastern Language Institutes**  
 (19) The Committee on Institutional Cooperation (CIC), a group representing eleven major midwestern universities<sup>1</sup> and formed several years ago by their

<sup>1</sup> The Committee on Institutional Cooperation (CIC), working to strengthen higher education through voluntary cooperation . . . avoiding duplication . . . reducing costs . . . is made up of representatives of the: University of Chicago, University of Illinois, Indiana University, State University of Iowa, University of Michigan, Michigan State University, University of Minnesota, Northwestern University, Ohio State University, Purdue University, and University of Wisconsin.



presidents to stimulate voluntary cooperation, has inaugurated a plan to encourage graduate students to move freely from one institution to another.

The chief purpose of this plan is to enable a graduate student enrolled in one of the CIC universities to have the advantage, on a short-term basis, of special opportunities (such as laboratory facilities, a library collection, or working with a faculty member who is a highly qualified specialist in a particular field) available at another institution.

Under this graduate student exchange program, students will transfer from one institution to another for one semester (or two quarters). Their participation in the program will be initiated and directed by faculty advisers, approval of graduate deans of both institutions involved will be necessary, and each university will retain full control over the graduate program of its students. A visiting student will be registered at his own university and will pay his fees there. He will be exempt from payment of fees at the institution to which he transfers temporarily.

The central purpose of the graduate student exchange program is to avoid costly duplication of effort and expenditures whenever possible. Such exchanges will be particularly acceptable in areas where the costs of the best is high and duplication would not only be an unnecessary expense to an institution, but might result in inferior programs. It would also be applicable where resources of personnel, equipment, and materials are so limited that concentration offers the best hope for quality.

Each university will determine its own methods in serving as host to CIC scholars.

The exchange program will begin in September, 1963, and will run for a two-year trial period, with the expectation that graduate student exchanges will be more fully developed after that initial period.

Support for CIC operations since 1958 has come chiefly from the Carnegie Corporation of New York, but since July, 1962, the eleven member institutions have provided the basic support for the CIC staff office now located at Purdue University. It may be said that as a voluntary effort by eleven of the largest universities—both public and private—the CIC approach is a pioneer program in providing for free exchange of graduate students.

The Committee on Institutional Cooperation will also offer five rotating Far Eastern Language Institutes, the first of which will be held at the University of Michigan. The College of Liberal Arts and Sciences has recommended that for qualified University of Illinois undergraduate students who participate in the program, the courses taken at other institutions be considered on the same basis as though taken at this University, viz: the courses will count toward the degree at Illinois; they will count as residence credit; for students in Liberal Arts and Sciences, they will count as though taken in the college and not as part of the thirty-two hours of electives a student is permitted to take outside the college.

I request authorization of the participation of the University of Illinois in this program as outlined above.

On motion of Mr. Swain, authority was given as requested.

#### DEGREES CONFERRED IN FEBRUARY, 1963

The Secretary presented for record the degrees conferred as of February 11, 1963, on recommendation of the Urbana-Champaign Senate and by authority of the Board of Trustees.

#### Summary

Degrees in the Graduate College, conferred at Urbana:

Doctor of Philosophy.....	97
Doctor of Education.....	4
Doctor of Musical Arts.....	1
Master of Arts.....	42
Master of Science.....	221
Master of Music.....	4
Master of Education.....	52
Master of Fine Arts.....	2
Master of Accounting Science.....	5

Master of Architecture.....	3
Master of Commerce.....	1
Master of Business Administration.....	1
Master of Television.....	1
Advanced Certificate in Education.....	4
<i>Total, Graduate College.....</i>	<i>(438)</i>
Degrees in Law, conferred at Urbana:	
Bachelor of Laws.....	18
Baccalaureate Degrees, conferred at Urbana:	
Bachelor of Science, College of Agriculture.....	67
Bachelor of Science, College of Engineering.....	286
Bachelor of Arts, College of Liberal Arts and Sciences.....	123
Bachelor of Science, College of Liberal Arts and Sciences.....	93
Bachelor of Science, College of Education.....	64
Bachelor of Science, College of Commerce and Business Administration..	140
Bachelor of Science, College of Journalism and Communications.....	24
Bachelor of Architecture, College of Fine and Applied Arts.....	35
Bachelor of Fine Arts, College of Fine and Applied Arts.....	8
Bachelor of Music, College of Fine and Applied Arts.....	4
Bachelor of Science, College of Fine and Applied Arts.....	5
Bachelor of Science, College of Physical Education.....	32
<i>Total, Baccalaureate Degrees.....</i>	<i>(881)</i>
<i>Total, Degrees Conferred at Urbana.....</i>	<i>1,337</i>

## GRADUATE COLLEGE

## Degree of Doctor of Philosophy

*In Accountancy*

- HAROLD EDWARD ARNETT, B.S., M.S., 1955, 1957  
 DONALD ERVIN KIESO, B.S., Aurora College, 1958; M.A.S., 1960  
 ALY MAHROUS SHADY, B.Com., University of Ain Shams, 1950; M.S., 1960  
 MERVYN WALLER WINGFIELD, A.B., College of William and Mary, 1949; M.S., University of Richmond, 1957

*In Agricultural Economics*

- ANTHONY MICHAEL GRANO, B.S., M.S., Montana State College, 1957, 1958  
 DUANE FREDRICK NEUMAN, B.S., University of Nebraska, 1957  
 WILLIAM ANSEL TOMPKINS, B.S., M.S., 1954, 1959  
 FORREST EUGENE WALTERS, B.S., Oklahoma State University, 1958; M.S., 1960

*In Agronomy*

- CHARLES SANDFORD LEVINGS III, B.S., M.S., 1953, 1956  
 RICHARD ALAN PAMPLIN, B.S., University of Akron, 1952; M.S., 1955

*In Animal Science*

- HOWARD JUNIOR BRINKLEY, B.S., West Virginia University, 1958; M.S., 1960  
 THOMAS BLOSE KING, B.S., M.S., Pennsylvania State University, 1949, 1950

*In Astronomy*

- ROBERT CHARLES ROEDER, B.S., M.S., McMaster University, 1959, 1960  
 RONALD ANTHONY SCHORN, B.S., Loyola University, 1956; M.S., 1958

*In Business*

- ZAKI MOHAMED FAHMY ABDALLAH EL-ADAWY, Graduate, Ain Shams University, 1953; M.S., 1960  
 SHERWOOD GEORGE HUNERYAGER, B.S., M.S., 1956, 1958  
 LESLIE LLOYD DONALD SHAFFER, A.B., University of California, 1935; M.S., 1959

*In Chemical Engineering*

- FREDERICK EDDY FORD, B.S., Carnegie Institute of Technology, 1959; M.S., 1961  
 DAVID BRUCE KIRBY, B.Ch.E., Clarkson College of Technology, 1958; M.S., 1961

*In Chemistry*

- MARJORIE LUCILLE ARNOLD, B.S., Bradley University, 1954; M.S., 1960  
DONALD BRUCE BORDERS, B.S., A.M., Indiana University, 1954, 1958  
CHARLES GUSTAV CARLSON, B.S., University of Alberta, 1958  
LEE MASON CHAMBERS, B.S., Marshall College, 1958; M.S., 1960  
RAJ KUMAR DEWAN, B.S., M.S., University of Delhi, 1951, 1953  
ALAN FORD ELLIS, B.S., Westminster College (Pennsylvania), 1958  
JAI ME EYZAGUIRRE PHILIPPI, Licenciado, Catholic University of Chile, 1958  
RAYMOND RICHARD HAYNES, B.S., M.S., University of Toledo, 1957, 1959  
ARUN KUMAR KHETTRY, B.S., M.S., University of Calcutta, 1950, 1953  
RICHARD M. KLEIN, A.B., Williams College, 1959; M.S., 1962  
RAYMOND LONGHI, B.S., University of Massachusetts, 1957; A.M., Dartmouth College, 1959  
NICHOLAS ALEXANDER MATWIYOFF, B.S., Michigan College of Mining and Technology, 1959; M.S., 1962  
WALTER JOSEPH MCMURRAY, A.B., Amherst College, 1958  
HAROLD WESLEY MOORE, B.S., Colorado State University, 1959; M.S., 1961  
GEORGE LOUIS MORGAN, B.S., Case Institute of Technology, 1958; M.S., 1960  
ROBERT JOSEPH NIEDZIELSKI, B.S., Aquinas College, 1958; M.S., 1960  
ROBERT EDWARD PEARSON, A.B., Carleton College, 1957; M.S., 1961  
EDWARD OWEN SHERMAN, JR., B.S., Providence College, 1958; M.S., 1960  
GERALD WAYNE STEMKE, B.S., Illinois State Normal University, 1957  
JULIA MING-JEN TAI, B.S., National Taiwan University, 1957; M.S., University of Oklahoma, 1959  
ROBERT EDWARD VISCO, B.S., M.S., University of Wisconsin, 1955, 1957  
ANDREW EDWARD YETHON, B.S., University of Alberta, 1958

*In Civil Engineering*

- ROBERT HAROLD ANDERSON, B.S., M.S., 1953, 1956  
STANLEY LANGFORD PAUL, B.S., M.S., 1955, 1956  
RICARDO YAMASHIRO, C.E., National University of Engineering (Peru), 1959; M.S., 1960  
TAKESHI YOSHIHARA, B.S., United States Naval Academy, 1953; B.C.E., Rensselaer Polytechnic Institute, 1956; M.S., 1961

*In Communications*

- JAMES WILLIAM CAREY, B.S., University of Rhode Island, 1957; M.S., 1959

*In Dairy Science*

- JAMES JOSEPH BURCHALL, B.S., St. John's University, 1954; A.M., Brooklyn College, 1959  
GEORGE RICHARD FRITZ, JR., B.S., M.S., Michigan State University, 1954, 1958  
LOREN KEITH ROBINSON, B.S., M.S., 1941, 1951

*In Economics*

- BYUNG-TACK CHO, A.B., Seoul National University, 1949; A.M., University of South Carolina, 1957  
JERRY HYLTON CURNUTT, A.B., William Jewell College, 1959; M.S., 1961  
ROBERT FLOYD SMITH, B.B.A., University of Oklahoma, 1958; M.B.A., University of Arkansas, 1959

*In Education*

- PAUL RENZ, B.S., A.M., Syracuse University, 1951, 1952  
MARTIN SYLVESTER WOLFE, B.S., Ed.M., University of Maryland, 1950, 1951; M.S., 1958

*In Electrical Engineering*

- CAMERON WALLACE BLACHFORD, B.S., University of Saskatchewan, 1953; M.S., 1959  
SHU-PARK CHAN, B.S., Virginia Military Institute, 1955; M.S., 1957  
HARVEY HUNTER DOEMLAND, B.S., 1955; M.S., University of Wisconsin, 1960  
DEVERL STRATFORD HUMPHREYS, B.S., Brigham Young University, 1955; M.S., University of Utah, 1957  
RICHARD MARVIN JOFFA, B.S., Colorado State College, 1951; M.S., 1957

- MANOHAR LAL, B.S., University of Allahabad, 1955; Diploma, Indian Institute of Science, 1959; M.S., 1961  
WILLARD THOMAS PATTON, B.S., M.S., University of Tennessee, 1952, 1958  
ROBERT EARL SWARTWOUT, B.S., M.S., Illinois Institute of Technology, 1948, 1950

*In English*

- JAMES C. BALLOWE, A.B., James Millikin University, 1954; A.M., 1956  
KATHRYN FLOYD DOUGLASS, B.S., A.M., Alabama Polytechnic Institute, 1949, 1952  
ANNE THERESA DOYLE, A.B., Regis College, 1956; A.M., 1957  
WALTER EUGENE EDENS, B.S., A.M., 1948, 1950  
ARTHUR LEROY KISTNER, A.B., A.M., 1955, 1960  
JAMES LAWRENCE SCOGGINS, A.B., University of Chattanooga, 1958; A.M., Johns Hopkins University, 1959  
ROBERT KARL STONE, Ph.B., A.M., University of Chicago, 1947, 1950

*In Entomology*

- CALVIN FRANKLIN SOO HOO, A.B., University of California, 1957; M.S., 1960

*In Food Technology*

- GREGORY BRUCE CLARKE, B.S., University of Massachusetts, 1959; M.S., 1961  
WILLIAM JAY HOOVER, B.S., M.S., 1950, 1954  
BRIAN LAWRENCE WALKER, Higher National Certificate, City of Liverpool College of Technology, 1957

*In Geology*

- FRANK RICHARD KARNER, B.S., Wheaton College, 1957  
DUANE MILTON MOORE, B.S., M.S., 1958, 1961  
WILLIAM EDWARD WILSON III, A.B., Harvard College, 1956

*In German*

- MIRCO MITROVICH, A.B., A.M., 1955, 1957

*In History*

- DAVID EARL ROBBINS, JR., A.B., Houghton College, 1947; A.M. (Education), Syracuse University, 1948; A.M. (History), 1952  
LESTER NEWTON WILSON, A.B., University of Chicago, 1952; B.S., Roosevelt University, 1953; A.M., 1955

*In Horticulture*

- HARVEY JOSEPH HORTIK, B.S., M.S., 1957, 1959

*In Mathematics*

- HSUE CHONG TUNG, M.S., Oklahoma State University, 1955; M.S., 1959

*In Metallurgical Engineering*

- JAMES RICHARD KERR, B.S., M.S., 1952, 1954  
KEVIN MICHAEL MYLES, B.S., M.S., 1956, 1957

*In Musicology*

- IMANUEL WILLHELM, Diploma, College of Saint Scholastica, 1946; M.Mus., Northwestern University, 1948; A.M., 1956

*In Physical Education*

- EDMUND MICHAEL BERNAUER, B.S., Indiana University, 1950; M.S. (Physical Education), M.S. (Physiology), 1951, 1959

*In Physiology*

- FORREST RAYMOND GOODALL, A.B., Colby College, 1956; M.S., 1960

*In Plant Pathology*

- CHERUVATHUR IYYAKKU CHACKO, B.S., University of Madras, 1949; M.S., Benares Hindu University, 1957

*In Political Science*

- CHARLES EDWIN PATTERSON, JR., A.B., A.M., Emory University, 1957, 1958

*In Psychology*

LAWRENCE WILLIAM DACHOWSKI, B.S., Illinois Institute of Technology, 1957;  
A.M., West Virginia University, 1959  
KENNETH ARLAN STARK, B.S., 1956

*In Spanish*

HARRY LEE KIRBY, JR., A.B., A.M., 1954, 1958

*In Speech*

JOSEPH WILFRED WENZEL, B.S., 1957; A.M., Northwestern University, 1958

*In Theoretical and Applied Mechanics*

CHARLES EDWARD FELTNER, B.M.E., North Carolina State College of Agriculture  
and Engineering, 1958; M.S., 1959  
NITYANANDA PATNAIK, B.S., Ravenshaw College, 1949; B.E., University of  
Poona, 1953; M.S., 1961  
PAUL JAY RAUSCH, B.S., M.S., State University of Iowa, 1959, 1960  
HOWARD BAGBY WILSON, JR., B.S., A.M., University of Alabama, 1957, 1959

*In Veterinary Medical Science*

THOMAS BONNER STEWART, B.S., University of Maryland, 1949; M.S., Alabama  
Polytechnic Institute, 1953

**Degree of Doctor of Education***In Education*

RAPHAEL HENRY BRAUN, A.B., McKendree College, 1934; A.M., Washington  
University, 1942  
BOYD DEVERE HOLTAN, A.B., St. Olaf College, 1950; A.M., State University of  
Iowa, 1954  
WILLIAM MAX ROGGE, B.S., M.S., University of Wisconsin, 1950, 1951

*In Music Education*

RUTHANN HARRISON, B.S., M.S., Indiana State Teachers College, 1945, 1946

**Degree of Doctor of Musical Arts**

ROBERT ALLEN BAKER, A.B., A.M., Washington University, 1957, 1958

**Degree of Master of Arts***In Anthropology*

JUDITH ANN HELLAWELL, A.B., University College of London, 1961

*In Economics*

ROBERT GEORGE FABIAN, A.B., University of Notre Dame, 1960  
GORDON REDNOUR, A.B., 1961

*In English*

GRACE REGINA BROWN, A.B., St. Joseph College, 1960  
BARBARA ANN ERLANDSON, A.B., Franklin College of Indiana, 1960  
MICHAEL SANFORD GREENBAUM, A.B., Johns Hopkins University, 1961  
THOMAS DANA HILL, JR., A.B., Harvard College, 1961  
THOMAS ALAN MAIK, A.B., Wartburg College, 1961  
JOHN DENNIS MCBRIDE, A.B., John Carroll University, 1959  
BARRY DENNIS SUSSMAN, A.B., 1961  
JEAN FAGAN YELLIN, A.B., Roosevelt University, 1951

*In French*

COLLEEN MARIE SANDFORD, A.B., Washburn Municipal University, 1956  
PAUL LAWRENCE THOMPSON, A.B., Morehouse College, 1957

*In Geography*

KEVIN ROBERT COX, A.B., University of Cambridge, 1961  
DANIEL IRA NEIDORF, B.S., East Stroudsburg State College (Pennsylvania), 1961

*In German*

ROBERT FRED BELL, A.B., 1959  
JOHN TERNES, A.B., 1961

*In History*

ROBERT AINSWORTH MCDANIEL, A.B., 1956  
EKKEHARD-TEJA PETER WILKE, A.B., 1962

*In Labor and Industrial Relations*

PAUL FREDERICK BECHT, B.S., Wisconsin State College (Stevens Point), 1961  
IRWIN SAMUEL GINSBURG, A.B., College of the City of New York, 1959  
GERALD HERBERT GRUSENSKY, A.B., Brooklyn College, 1961

*In Linguistics*

ROTA LIGITA KUPCIS, A.B., A.M., 1958, 1961

*In Mathematics*

JOSE ARANETA ALBERT, A.B., Ateneo de Manila, 1961  
WILLIAM ANDERSON LABACH, A.B., Transylvania College, 1959  
MARCIA PETERSON SWARD, A.B., Vassar College, 1961  
RAYMOND TZUU-YAU YEH, B.S., 1961

*In Philosophy*

YUNG WHA KIM MIN, A.B., Mount Holyoke College, 1958

*In Political Science*

WILLIAM JAMES KIRSCH, A.B., Evansville College, 1961  
MAX GARRETT MANWARING, B.S. (Economics), B.S. (Political Science), University of Utah, 1959, 1959  
JOHN BARKLEY MEANS, A.B., 1960

*In Psychology*

GERALD LOUIS FRINCKE, A.B., San Jose State College, 1960  
GERALD ELMER GRUEN, A.B., Southern Illinois University, 1959  
CHARLES WILLIAM PERKINS, A.B., Indiana Central College, 1954; B.D., United Theological Seminary, 1957

*In Sociology*

HARRY RICHARD JOHN, B.S., 1958

*In Speech*

RICHARD CARL HUSEMAN, A.B., Greenville College, 1961  
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JAMES DONALD RAGSDALE, JR., A.B., Howard College, 1961  
RICHARD GORDON SMITH, B.S., Purdue University, 1951

*In the Teaching of English*

ROBERT STANLEY WHITMAN, A.B., Lawrence College, 1956

*In the Teaching of Social Studies*

KENNETH HENRY GEILS, A.B., Gettysburg College, 1961  
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**Degree of Master of Science***In Accountancy*

DONALD CHARLES BRUEGMAN, B.B.A., University of Cincinnati, 1958  
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LIANG-HAN CHEN, A.B., Taiwan Normal University, 1957  
WILLARD HAROLD GALLIART, B.S., State University of Iowa, 1959  
HONG-CHAN LI, A.B., National Taiwan University, 1957

*In Advertising*

KEITH FRANCIS RYAN, B.S., 1960

*In Aeronautical and Astronautical Engineering*

JAMES LLEWELLYN MYERS, JR., Pennsylvania State University, 1960

*In Agricultural Economics*

MARVIN LEE HAYENGA, B.S., 1962

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*In Agricultural Engineering*

DAVID RALPH MASSIE, B.S., 1961

CHARLES KENNARD SPILLMAN, B.S., 1960

*In Architectural Engineering*

STEPHEN CHOMA, JR., B.Arch., 1961

*In Biological Sciences*

JOHN JOSEPH BELASICH, A.B., Knox College, 1948

*In Botany*

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*In Ceramic Engineering*

ROBERT JETHRO BAKER, JR., B.S., 1960

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*In Chemical Engineering*

KENNETH ROBERT JOLLS, A.B., Duke University, 1958; B.S., North Carolina State College, 1961

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ROBERT THOMAS HAVRAN, B.S., Marietta College, 1961

MARTHA CAROLYN HURD, A.B., Colorado State College, 1961

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MICHAEL ROSS ROSENTHAL, A.B., Western Reserve University, 1961

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CARL WILLIAM VERMEULEN, A.B., Hope College, 1961

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*In City Planning*

EDWIN CARL ADAMS, B.S., Agricultural and Mechanical College of Texas, 1955

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*In Civil Engineering*

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EWEN STUART FISHER, B.A.Sc., University of Toronto, 1958  
NELSON EDWARD FUNSTON, B.S., Kansas State University, 1961  
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CHARLES WALTER LARSEN, B.S., 1961  
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FATHY ABD-EL ATY MORSEY, B.S., Ain Shams University, 1959  
JOHN DAVID MOZER, B.S., University of Colorado, 1961  
GUILLERMO OCHOA-GOMEZ, C.E., National University of Colombia, 1961  
JAMES ROBERT PAYNE, B.S., Drexel Institute of Technology, 1961  
JAMES WALTER RONE, B.S., The Citadel, 1961  
MAHMOUD TAWFIK SALEM, B.Eng., Cairo University, 1959  
EMILE ABDALLAH SAMARA, B.S., 1961  
JANE HSIA SHEN, B.S., National Fuh Tan University, 1946  
GENE NORMAN SLUTKIN, B.S., 1961  
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WILLIAM JOSEPH WESTHOFF, Geophysical Engineer, Colorado School of Mines, 1955

*In Dairy Science*

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*In Electrical Engineering*

ABDELSALAM FATHY ALY ABDEL-SALAM, B.S., Diploma, Alexandria University, 1957, 1960  
THOMAS EDMUND BURNSIDE, B.S., 1961  
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EDMUND BURKE DALY, A.B., St. Joseph's College (Indiana), 1961; B.S., 1962  
MICHAEL SHAPLAND DAVIES, A.B., University of Cambridge, 1961  
WILLIAM HERMAN DELUCA, B.S., 1961  
JOHNIE MYLES DRIVER, B.S., 1961  
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GRAHAM LYMAN DUFF, B.Eng., McGill University, 1961  
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RUSSELL DUANE GREINER, B.S., Iowa State University, 1950  
HULBERT CHEN-SHUAN HSUAN, B.S., National Taiwan University, 1960  
SOLOMON SUO-LUN HUANG, B.S., 1961  
SHENG-YIH HWANG, B.S., National Taiwan University, 1959  
LELAND CHRISTIAN JENSEN, B.S., Oregon State College, 1954  
ERWIN ARTHUR JUNG, B.S., 1961  
DENNIS S. KARJALA, B.S., Princeton University, 1961  
MARVIN LEWIS KRAMER, B.S., George Washington University, 1951  
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AMITAVA MUSTAFI, B.Eng., University of Calcutta, 1955  
JOSEPH NEWTON OWENS, B.S., Agricultural and Mechanical College of Texas, 1961  
HUBERT RUSSEL PLUMLEE, B.S., New Mexico State University, 1961  
THOMAS EDWARD POSTMA, B.S., Worcester Polytechnic Institute, 1961  
ROBERT EDWARD REILLY, B.S., B.S. (Honors), University of St. Andrews, 1960, 1961  
ROBERTO HILARION RAFAEL ROLDAN ALVAREZ, B.S., 1961  
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ROY STEPHEN SYLER, B.S., 1962  
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EIKICHI YAMASHITA, Graduate, University of Electro-Communications (Japan), 1956

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*In Finance*

WILLIAM ROGER GERMAN, B.S., University of Missouri, 1960

EDWARD ARTHUR SANDS, B.B.A., City College of New York, 1961

*In Food Technology*

JOHN JOSEPH IANDOLO, B.S., Loyola University, 1961

FRANK EDWARD WEBER, B.S., Illinois Institute of Technology, 1957

*In Geology*

CHRISTOPHER PETER MACCLESFIELD HEATH, B.S., University of British Columbia, 1960

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CHARAN POOTHAI, B.S., Chulalongkorn University, 1958

RAKCHAI SRILENAWAT, B.S., Chulalongkorn University, 1955

*In Health Education*

SUCHART SOMPRAYOON, B.Ed., Chulalongkorn University, 1959

*In Home Economics*

STELLA YOK SING LAM CHAN, B.S., Madison College, 1959

*In Home Economics Education*

DELORES LOUISE PARROTT, B.S., 1951

*In Horticulture*

ISAAC CRUMBLY, B.S., Agricultural, Mechanical, and Normal College (Arkansas), 1961

*In Journalism*

JOHN ALEXANDER HANDLEY, A.B., Stanford University, 1959

WILLIAM MERRITT SHAFFER, A.B., Knox College, 1957

*In Library Science*

AGARD HYDE BAILEY, JR., A.B., William Penn College, 1951; A.M., State University of Iowa, 1957

BARBARA MARIE BULLOCK, A.B., University of Kansas, 1961

MARY JANE CAMP, A.B., A.M., 1942, 1945

CECILIA HUI-HSIN CHIN, A.B., National Taiwan University, 1961

VALMAI RUTH CLARK, A.B., A.M., University of Canterbury, 1960, 1961

DAVID OLEN COOPRIDER, A.B., Millikin University, 1958

MARGARET LOUISE CROSSETT, A.B., Wheaton College, 1961

CLIFTON FORREST GILES, JR., A.B., University of Massachusetts, 1960

MARY HELEN HOWARD, A.B., Cornell University, 1953

MAUNG MAUNG, A.B., University of Rangoon, 1957

JOY NGONRATH, A.B., Diploma, Chulalongkorn University, 1957, 1958

KHIN KHIN OHN, A.B., LL.B., University of Rangoon, 1955, 1958

JAMES HOWARD THOMPSON, A.B., Southwestern at Memphis, 1955; A.M., University of North Carolina, 1957

YOUN-MEI TING, A.B., Taiwan Normal University, 1957

*In Management*

ALLAN FOLKERT OWEN, A.B., Indiana University, 1954

*In Marketing*

PETER JOHN DUSKEY, B.S., 1961

BRUCE STEWART JEWELL, B.S., 1959

JERALD JUAN RUCKER, B.B.A., University of Cincinnati, 1957

*In Mathematics*

- WILLIAM WALTER BOYLE, B.S., M.S., Illinois State Normal University, 1951, 1952  
YUH-CHING CHEN, B.Ed., Taiwan Normal University, 1953  
JAMES ASHLEY DONALDSON, A.B., Lincoln University (Pennsylvania), 1961  
RICHARD JEROME GRIEGO, B.S., University of New Mexico, 1961  
PAUL CLAY HEIGOLD, B.S., St. Louis University, 1957  
ROBERT GEORGE LANGE, A.B., North Central College, 1961  
LAWSON LOBB, B.S., Rhodes University, 1960  
JOHN PENN MAYBERRY, B.S., 1961  
MARJORIE ANN MORETZ, B.S., 1961  
ROBERT ANDREW NIKELS, B.S., Bradley University, 1961  
WILLIAM THEODORE STOUT, JR., B.S., Southwest Missouri State College, 1961

*In Mechanical Engineering*

- WILLIAM EVERMANN GREENSHIELDS, B.S., 1962  
ALBERT FAY HOUGHENS, B.S., Purdue University, 1961  
STIG ROBERT KARLBERG, Civilingenjör, Royal Institute of Stockholm, 1961  
FRANCIS DAVID NOONAN, B.S., South Dakota State College of Agriculture and  
Mechanic Arts, 1954  
DANIEL WALTER PASHNIAK, B.S., Walla Walla College, 1959  
TUMMALA VENUGOPALA RAO, B.Eng., Andhra University, 1951; M.Tech., Indian  
Institute of Technology, 1959  
SAMEER NAIM SARAF, Diploma, University of Baghdad, 1961  
BIPINCHANDRA KAPURCHAND SHAH, B.Eng., University of Poona, 1961  
MAHENDRA HIRALAL SHAH, B.Eng., Gujarat University, 1961  
WILBERT WAYNE SIESENNOP, B.S., University of Missouri School of Mines and  
Metallurgy, 1961  
SATISH KUMAR WADHWA, B.S., University of Delhi, 1956; B.Tech., Indian  
Institute of Technology, 1960

*In Metallurgical Engineering*

- KHANDELWAL BHAGWAN DAS, B.S., M.S. (Physics), Osmania University, 1953,  
1956; M.S. (Physics), Purdue University, 1961  
MICHAEL ANTHONY GEDWILL, JR., B.S., 1956  
FRANCIS XAVIER SPIEGEL, B.S., Loyola College, 1961

*In Microbiology*

- DIANA CATHERINE HALAUS, A.B., Milwaukee-Downer College, 1959  
SYDNEY JOAN REEVE, B.S., Cornell University, 1960

*In Music Education*

- CAROL KOEHN HILLMAN, B.S., 1958  
ALLEN EUGENE HUNTER, B.S., Quincy College, 1959  
JERRY LEE PROFFER, B.S., Southeast Missouri State College, 1958  
BEVERLY ANN RASMUSSEN, B.S., Olivet Nazarene College, 1955

*In Nuclear Engineering*

- LAURENCE BERNARD MILLER, B.S., Illinois Institute of Technology, 1961  
PABLO JOSÉ RODRIGUEZ, B.S., Kansas State University, 1961

*In Physical Education*

- LINWOOD GERALD BECHTEL, B.S., West Chester State College (Pennsylvania),  
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*In Physics*

- WILLIAM CARTER BLACK, JR., A.B., Pomona College, 1961  
TOMMY DEAN CLARK, B.S., 1961  
MAGNUS GEORGE CRAFT, A.B., State University of Iowa, 1961  
ROBERT WILLIAM DOWNING, B.S., 1961  
CHARLES ROBERTS FLETCHER, A.B., Rice University, 1961  
ROBERT JERRY FREIBERG, B.S., Rensselaer Polytechnic Institute, 1961  
JOHN ARVY GARDNER, JR., A.B., Rice University, 1961  
DANIEL ALBERT GRENNING, B.S., Union College, 1961

ERIK PRESTON HARRIS, B.Eng.Phys., Cornell University, 1961  
WALTER DWIGHT HERRICK III, A.B., Amherst College, 1961  
RALPH ALLAN HEWES, B.S., Case Institute of Technology, 1961  
HARRY FREDERICK JORDAN, A.B., Rice University, 1961  
MICHAEL BRUCE LEVITT, B.S., 1961  
HENRY JOSEPH LUBATTI, A.B., University of California (Berkeley), 1960  
PETER JOHN MELZ, B.S., Stanford University, 1961  
DAVID WARD MORTARA, B.S., Purdue University, 1961  
ROBERT JOSEPH PFEIFER, B.S., 1962  
JOANNE ELISABETH PRATT, A.B., Smith College, 1961  
FRANCOISE ROBERTE FERNANDE PROIX, Ingenieur, Ecole Supérieure de Physique et de Chimie Industrielles, 1961  
DAVID EUGENE RICHARDSON, B.S., Illinois Wesleyan University, 1957  
WILLIAM RONALD ROACH, B.Eng.P., Cornell University, 1961  
GARY WENDELL STUPIAN, B.S., California Institute of Technology, 1961  
KARL DEAN SWARTZ, B.S., Case Institute of Technology, 1961  
GARY GEORGE TIBBETTS, B.S., California Institute of Technology, 1961  
JOHN ANDREW TODOROFF, B.S., California Institute of Technology, 1961  
WILLIAM PETER TROWER, A.B., University of California (Berkeley), 1957  
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*In Physiology*

MARSHALL GENE ELZINGA, A.B., Hope College, 1960  
PARVIN HASHEMZADEH FALLAH, A.B., Western College, 1960  
RAPHAEL PETER GRUENER, A.B., University of California (Berkeley), 1961

*In Plant Pathology*

RICHARD EDWARD ELLIS, JR., B.S., Southern Illinois University, 1960  
JAMES LEE VAN ETEN, A.B., Carleton College, 1960

*In Recreation*

PATRICIA ANN KRENZKE, B.S., Valparaiso University, 1961  
DONALD JOSEPH WIETH, B.S., 1959

*In Sanitary Engineering*

BRUCE ALLEN MARSH, B.S., Michigan College of Mining and Technology, 1961  
CHERUKURI VENKATA RAMARAO, B.Tech., Indian Institute of Technology, 1956  
MICHAEL JAKOB SUSS, B.S., Technion-Israel Institute of Technology, 1957

*In Statistics*

MUHAMMAD SUBHI ABDUL-KADIR ABU-SALIH, B.S., Diploma, American University of Beirut, 1961, 1961  
EDWARD PETER NELLESSEN, B.S., 1961

*In the Teaching of the Biological Sciences and General Science*

MELVA LOUISE HIGHLAND HERUM, B.S., Iowa State University, 1951  
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HOWARD EARL WHEAT, B.S., 1957

*In Theoretical and Applied Mechanics*

CHARLES ANTON BOUC, A.B., University of Chicago, 1951; B.S., Illinois Institute of Technology, 1960  
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*In Veterinary Medical Science*

SYLVIAN JOSEPH ANGELO, B.V.Sc., Agra University, 1952  
FREDERICK BLACK HEMBROUGH, B.S., D.V.M., 1952, 1954  
MANOHAR NARAYAN JAMDAR, B.V.Sc., Bombay Veterinary College, 1945  
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*In Zoology*

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**Degree of Master of Music**

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**Degree of Master of Education**

JACQUelyn JOYCE ALBRIGHT, B.S., Northern Illinois University, 1949  
 DORA WEISBERG ARNOVE, Ph.B., University of Chicago, 1934  
 CARLA COFFAY ASHMORE, B.S., Southern Illinois University, 1958  
 CARL EMSLEY BASS, A.B., B.S., 1956, 1959  
 KATHRYN MARY KOEHLER BOLLOCK, B.S., Western Illinois University, 1960  
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 PHILLIP BRUCE BOYLE, B.S., Illinois State Normal University, 1959  
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 MARY ELIZABETH DUELAND, B.S., 1958  
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 WILLIAM GAITHER, JR., B.S., M.S., 1954, 1955  
 CAROL JANE OSBORN GRIMM, B.S., 1955  
 WILLIAM EDWARD HAWORTH, A.B., University of Tulsa, 1956  
 DONALD HENRY HEITLER, B.Mus., B.Mus.Ed., 1960, 1961  
 MARY GIDDINGS JOHNSON, B.S., South Dakota State College of Agriculture and Mechanic Arts, 1956  
 CHARLOTTE NADINE JONES, B.S., Illinois State Normal University, 1959  
 JOAN PHYLLIS JURISINIC, B.S., 1958  
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 CAROLYN MARIE KONNEKER, B.S., 1959  
 LAURENCE EDWIN LAUGHARN, B.Ed., Illinois State Normal University, 1942  
 MARCEL WILSON LEDUC, B.S., Eastern Illinois University, 1960  
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 MARJORIE STEWART MESSMAN, A.B., Diploma, University of Melbourne, 1935, 1941  
 MYRON ALLEN METROPOLE, B.S., Northeastern University, 1960  
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 JOHN BINDER MUHM, A.B., Olivet Nazarene College, 1954  
 CHRISTY ALLEN MURPHY, B.S., United States Military Academy, 1948  
 DOROTHY ANN MURPHY, B.S., Bradley University, 1952  
 LYLE EUGENE OECHSLE, B.S., George Williams College, 1951  
 LYONEL LEE OURTH, B.S., 1958  
 CATHERINE ELEANOR BROWN SCHOOLEY, B.S., 1935  
 VIJAYAKUMARI SHANMUGAM, A.B., A.B. (Honors), A.M., University of Mysore, 1955, 1959, 1960  
 DAVID ELLSWORTH SPENKLE, B.S., Washington University, 1958  
 RONALD LARRY STAGEN, B.S., Illinois State Normal University, 1960  
 CALVIN REED TEEL, B.S., Illinois State Normal University, 1948  
 PHYLLIS GARNA VOY, B.S., M.S., 1959, 1961  
 JACK B. WALTERS, B.S., Northeast Missouri State Teachers College, 1940  
 RONALD LEE WELLING, B.S., 1956  
 SUZANNE MARIE WESTLUND, A.B., Lake Forest College, 1951

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 EUGENE VICTOR WOOD, A.B., Valparaiso University, 1953  
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 ADOLPH YACKEL, A.B., Siena College, 1961

#### Degree of Master of Fine Arts

##### *In Design*

GEORGE WILLIAM SAUER, A.B., Hamilton College, 1953; B.F.A., 1960

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#### Degree of Master of Accounting Science

REIN GUTMANN, B.S., 1962  
 ROBERT RICHARD SCHMIDT, B.S., 1962  
 FIRMAN PANTAS ASALAN SIREGAR, A.B., Mommensen University, 1959  
 JOHN MICHAEL TUCKER, B.S., 1958  
 MAKOTO YASUDA, B.S., Gakushuin University, 1960

#### Degree of Master of Architecture

NORMAN CLARE HINTZ, B.Arch., 1962  
 THEODORE EDWARD KLOSS, B.Arch., 1962  
 TSI-KWONG LAN, B.S., Taiwan Provincial Cheng Kung University, 1957

#### Degree of Master of Television

ROGER ALLAN DERBY, B.S., 1961

#### Degree of Master of Commerce

PAUL WESLEY LAWTON, B.S., Washington University, 1961

#### Degree of Master of Business Administration

DANIEL RICHARD VELLENGA, B.S., 1961

#### Advanced Certificate

##### *In Education*

JOSEPH VIRGIL BONEFESTE, A.B., A.M., 1948, 1951  
 TOMOKO MAKI FURUHATA, A.B., A.M., International Christian University, 1957, 1959  
 KENNETH EUGENE SIBLEY, B.S., M.S., 1948, 1948  
 GLENELLEN MUSGRAVE WOODWARD, B.S., M.S., 1948, 1953

#### COLLEGE OF AGRICULTURE

##### Degree of Bachelor of Science

##### *In Agriculture*

DENNIS WARREN ARNOLD	WILLIAM DONALD GLEASON, Honors
GLEN MARTIN BROOM	JESSE ALOYSIUS HEISCHMIDT
EDWARD HELLER BUELOW, JR.	ROGER KEITH HUBELE
DONALD KEITH CASSEL, Honors	HERBERT CLAIR JACKSON II
KENNETH LEROY DAILY	EDWARD FLETCHER KARR
BILLY DEAN DECKER	ALLEN DALE KOKER
GERALD CHARLES DECKER	DONALD ROLAND McDONALD
JAMES ARTHUR DEYOUNG	HOWARD DAVID MILLER
THOMAS DUFFY, High Honors	JERRY DEE MILLER
LARRY DEAN DUES	JAY PAUL MITCHELL
CARL LEROY DYER	JAMES EDWARD MOHR
RAY WILLARD FISCUS	JOHN DAVID O'NEALL
STANLEY NORMAN GEHLER	EMIL EDWARD FISCHER

JON DEE PROEHL  
KEITH DUANE ROMACK  
JOHN LEONARD SCHLAFAER  
DUANE WASNER STRUNK  
SHAONANSIA NDOTWA SWAI  
RICHARD ARTHUR TURNER

JAMES LLOYD VETTER  
ROBERT KEITH WALTZ  
RONALD HUBERT WILSON  
BILLY GENE WISER  
ARTHUR WALTER ZABIEREK

*In Dairy Technology*

JOSEPH KARL ANNISS

PATRICIA LOUISE CRATER, High Honors

*In Floriculture*

ROY THOMAS GREGORY JENKINSON

*In Floriculture and Ornamental Horticulture*

ROBERT JOHN McELWAIN  
PAUL WESLEY MERGENTHALER

OLAF NORMAN NESHELM  
RALPH LAWRENCE SNODSMITH

*In Food Technology*

LARRY WILLIAM CLARK

*In Forestry*

STANLEY ARTHUR ASHMORE, Honors  
HAROLD KENT AUSTIN  
GUENTER BRUCKMANN  
RUDOLPH FRANCIS DORNER  
DONALD BRYAN FREEMAN  
LYNN EVAN GRAY

MICHAEL JENDRAS  
GLENN DOUGLAS JOHNSON  
JAMES MICHAEL JUSTEN  
DALE DEWITT TUCKER  
JAMES ARTHUR WHITTINGTON

*In Home Economics*

CHERYL POTTER BAKER  
JERENE INEZ CHRISTENSEN  
ANNA FLORENCE COZZA  
RUTH LEHTO ESPENSCHIED  
NANCY ANN GOBERT  
NANCY MAE INWOOD

SUSAN WICKHAM LOCKHART, Honors  
JUDITH ANN MCGLADE  
ANNA ELIZABETH RAUBENHEIMER,  
Honors  
MICHIO MARGARET YOSHIDA

*In Home Economics Education*

ROBERTA ROSE ACKERMAN

**COLLEGE OF ENGINEERING****Degree of Bachelor of Science***In Aeronautical and Astronautical Engineering*

EARL JAMES ARCHER, JR.  
VAIDOTAS BAISYS  
WALTER JOHN BARAN  
EDWARD GARY BAXTER, High Honors  
RICHARD MELVIN BRENT  
JAMES NORTON BUCHANAN  
ROGER JOSEPH CIESINSKI  
LOUIS ALVIN DOCKERY  
JACK LAVERNE EDEN  
FRED DAN FERNANDES, Highest Honors

JAMES LAVERNE HUDSON  
ANDREW KLAVINS, High Honors  
JOSEPH JAMES KRENOVSKY  
BOBBY LEE LANGLEY  
WILLIAM JOSEPH LOUBSKY, High Honors  
CHARLES GORDON McLELLAN  
STEVEN DON MITCHELL  
THEODORE JULIAN TRAPP, High Honors  
LARRY LEE ZIMMERMAN

*In Agricultural Engineering*

STEPHEN DOUGLAS BURDETTE  
KENNETH RAY DIRKS  
DONALD VICTOR FISCHER  
ARTHUR EDWARD GREINER

DAVID JOSEPH OLSON  
JOHN LEONARD SCHLAFAER  
DAVID RAY SCHMID

*In Ceramic Engineering*

ALAN KEITH CUTLER  
HORACIO DUARTE DE LEMOS  
PAUL JAMES ROEDER

EVERETT LEE TRIEFENBACH  
THEODORE ANDREW VORUZ

*In Civil Engineering*

ROBERT LANGLEY ALMOND, SR.  
 GORDON ROBERT ANDERSON  
 CHRISTIAN ANDREASEN  
 MARIO ASIN  
 ROBERT HENRY BENTON  
 NATHANIEL BOYD, JR.  
 MARTIN PETER CARLASSARE  
 RICHARD EUGENE CARLSON  
 JAMES HERBERT DUNPHY  
 ALBERT DONALD FREDRICKSON  
 JOHN CHARLES GLENNON  
 JOHN EDWARD GOGGIN  
 JOHN MICHAEL GOODRICK  
 DENNIS CHARLES GOULD  
 WAYNE THOMAS GRUEN  
 THOMAS JOSEPH HAAS  
 GEORGE MORGAN HANSEN  
 DONALD LLOYD HARRIGER  
 RONALD EUGENE HEUER, High Honors  
 EILIF HOLEN  
 ADRIAN WALTER HROMIAK  
 CLAUDE HENRY HURLEY  
 RICHARD LOUIS KOPECKY  
 JOHN JANIS KRUIZE  
 ROGER LEROY KUHLEMEYER  
 PAUL WILLIAM LARSEN

RONALD JOSEPH LEJMAN  
 RAYMOND OVERHOLT LINAWEAVER  
 EDMUND LEWIS LONG  
 CHARLES ROBERT MAREK  
 ARA MINAS MELKONIAN  
 DOUGLAS CRAIG MELTON  
 RICHARD ROY METCALF  
 RICHARD ALBERT MOORE  
 MARTIN LEO MURPHY  
 MICHAEL DAVID MURPHY  
 FARHAD NAGHDI  
 CHARLES PETRAUSKAS  
 NORMAN IRA ROBINS  
 ELLIS WILLIAM SANDERSON  
 ANDREW PAUL SCHLAEFLI  
 LEWIS BRYANT SIMON  
 JERRY MICHAEL SPAUGH, Honors  
 NED FRANKLIN TYLER  
 MARION HENRY VAN DER AA, High Honors  
 MERLE RAY WADSWORTH  
 RICHARD ROY WHITNEY  
 WAYNE ROY WOLTER  
 JOHN CHARLES ZANDER  
 GLEN ALLEN ZUMWALT

*In Electrical Engineering*

WILLIAM PRATT ANDREWS  
 CHARLES SALTER AXEN  
 WALTER BARONIAN  
 DAVID LAWRENCE BLANCHARD  
 PAUL RICHARD BRANCH  
 ALBERT GEORGE BREJCHA  
 ALLAN JOEL BROCKSTEIN, Highest Honors  
 GARY SANDY BROWN  
 JAMES MARLYN BROWN  
 GEORGE OWEN BUESKING  
 GERALD WAYNE COLLINS, Honors  
 GABRIEL CUERVO-SALCEDO, Honors  
 DARWIN KENT DECKER  
 JEROLD JOHN DEENER  
 DONALD GLEN DODSON  
 EDWARD RONALD DORNSEIF, High Honors  
 LAWRENCE EDWARD DRUFFEL  
 WILLIAM KARL DUNWOODY  
 THOMAS TRETTIEN EDWARDS  
 ROBERT CHAMBERS ELLIS  
 STEPHEN HAROLD EYER  
 RICHARD JEFFERSON FLAHERTY  
 RONALD STEPHEN FREELAND  
 CHESTER HERBERT FREESE  
 DONALD LEE FRENCH  
 EDWIN JOSEPH GIMNIG, Honors  
 HENRY DALE GOLTZ, JR.  
 RONALD MELVYN GRAFF  
 MARVIN WARREN HACKER  
 CHARLES JACK HAWLEY  
 ANTHONY THOMAS HEAGNEY  
 HENRY HARLAN HEGENER  
 ROGER DALE HELM

DONALD MAX HENDERSON  
 JACK WALLACE HUDSON  
 NEIL REYNALD HUMPHREY  
 KENNETH JABLINSKEY  
 VITO STANLEY JAKSTYS  
 RICHARD DAVID JAMES  
 MILTON JOSEPH JANOSKY  
 WILLIAM FLOYD KEENAN  
 DALLAS LEE KENT  
 CHONG SUNG KIM, High Honors  
 ROBERT CHARLES KNITTLE  
 STANLEY JOHN KOWALCZYK  
 ROLF ERNST KOWALEWSKI  
 JAMES ANTHONY KRAFT  
 WALTER DUANE KRAFF  
 EDMUND JOHN KULIKAUSKAS  
 HANS LAPING  
 PAUL LEONARD LARSON  
 AMOS WAI FONG LEE  
 JOHN ALLAN LEHNER  
 NORMAN HOWARD LEVEN  
 LELAND CHARLES LOQUIST  
 PAUL MACKOVJAK  
 BRADLEY KENT MARTIN  
 JOHN DENNIS MICHEL  
 ROBERT MICHAEL MOHR  
 CHARLES MEREDITH MULLIKIN  
 MICHAEL JOE MYERS  
 DONALD LEE OLIVER  
 KENNETH EDWARD OPAL  
 ALFRED ALGIMANTAS ORENTAS  
 MINDAUGAS PETOKAS  
 WILLIAM LEROY PORTER  
 GARY LYNN POST  
 RAYMOND GEORGE RADYS

SYDNEY JAMES REID  
 WILLIAM ALEXANDER RESCH  
 ANTHONY LANE RICHARDS, Honors  
 JAMES WILLIAM RILEY  
 ARVYDAS KAZYS RIMAS, High Honors  
 HAROLD WAYNE RIXIE  
 JOHN TED ROBELL  
 HARVEY MARK ROGOSIN  
 WILLIAM QUENTIN ROOSE  
 DAN RAY SCHARLACH  
 HENRY SCHENK  
 HAROLD LEE SCHILD  
 FRANK SCHUHMAN  
 LEONARD JOHN SCHULTZ, Honors  
 VICTOR EDWARD SCHULZE, Jr.

EDWARD SESTAK  
 CHARLES ASBURY SMITH  
 DAVID MORRISON SMITH  
 ROGER LEIGH STEVENS  
 RICHARD CHARLES SUNLIN, Jr.  
 HAFEZ ABUL-HUDA TAJI  
 RAYMOND JOSEPH THORNBOROUGH  
 ANTHONY WALIAU, Jr.  
 JOHANNES OSCAR WERNEGREEN  
 PAUL JEAN WHITENEIR, Jr.  
 THOMAS LeROY WINDERS  
 THOMAS YAN  
 JESUS ALFREDO ZAMORA  
 DONALD KENNETH ZURSCHMIT

#### *In Engineering Mechanics*

DENNIS BRUCE CARROLL, Honors  
 BRIAN ROBERT GAIN, Honors

RICHARD ALLEN WENGLARZ, High  
 Honors

#### *In Engineering Physics*

RICHARD LYLE BREWER  
 RICHARD JAMES KNOX  
 PAUL DEAN LEE, Highest Honors  
 MICHAEL LESONDAK

HAROLD OREN MCBRIDE  
 WILLIAM CHARLES RICE  
 HARDEN HENRY TROUE, High Honors

#### *In General Engineering*

BENNIE DOUGLAS BABB, Highest  
 Honors  
 HOWARD EDWARD BEYER  
 GRESHAM THEIS BREBACH, Jr.  
 ROBERT EUGENE BRUNS  
 JAMES EDWARD BURGESS  
 WALTER KENNETH HAHN  
 JAMES MAYFIELD HENSON, Highest  
 Honors  
 JAMES PAUL KLINE

SAMUEL LEE LEEPER  
 KENNETH CHARLES MACMORRAN  
 RICHARD STEPHEN MARSHO  
 SIDNEY MICHAEL MCCOMBS  
 CHARLES RAYMOND ORR  
 JOHN MARVIN PUNZAK  
 JOHN DAVID RAFFL, Highest Honors  
 RAYMOND RUTH  
 LARRY ERVIN WILSON  
 CHARLES IGNATIUS WYNNE

#### *In Industrial Engineering*

HAROLD LOYD ANDERSEN  
 JEROME BURTON COHEN  
 DONALD ALLEN DUBLE  
 MICHAEL PAUL DUNN  
 HAROLD ROBERT FENGER  
 THOMAS PAUL GIBBONS  
 GERALD JOY HANNAH, High Honors  
 JAMES PHILIP LIAUTAUD

DINCER OLCAY  
 THOMAS MICHAEL RASINSKI  
 ALLEN MICHAEL ROSENSTON  
 ROLAND ROBERT SANDSTROM  
 HOWARD IVAN SHACHTER  
 DONALD JEROME SHERMAN  
 RICHARD ARTHUR SIEBERT  
 STANLEY FREDRICK YUKEVICH, Jr.

#### *In Mechanical Engineering*

ADO E. ADAMI  
 JOHN ROBERT ANTONSON  
 WILLIAM LOUIS BIGELOW  
 WILLIAM ZACHERY BLACK III, Honors  
 MILAN DANIEL BLAHO  
 RONALD WILLIAM BORKOWSKI  
 FRED WILLIAM BRUNKE  
 GEORGE WILLIAM BURGOWNE  
 FRANK JAMES CIHAK  
 STEPHEN COLBURN  
 LEONARD ALBERT DOJNIK  
 CHARLES HENRY ERNST  
 WILLIAM COURTNEY FILES  
 WILLIAM DONALD FISCHER

DONALD EDWARD FRITZ  
 JAMES JOHN GRAMMAS  
 BILLIE WAYNE HATCH  
 ROBERT HNILO  
 ROBERT FRANK HURT  
 GEORGE JOSEPH JEZEK  
 WALTER FRANCIS JOHNSTON  
 CHARLTON HUDSON JONES, Highest  
 Honors  
 EDWARD EINAR JORGENSEN  
 WILLIAM FRED KOEBBEMAN  
 ROBERT ROMAN KOWALSKI  
 RONALD HOWARD KRASNITZ  
 ARTHUR JOHN KUHN



OWEN ROSCOE LAWTER  
 WAYNE LEONARD LUNDBERG  
 JOHN RICHARD MARJANCIK  
 MARCUS LLOYD MARLIN  
 JAMES WESTON MASSEY, High Honors  
 ALBERT ANTHONY MELONE  
 GEORGE JOSEPH PLIML  
 ROY FRANCIS REID, JR.  
 ROBERT LEO REIS  
 RICHARD FLORIAN SANFORD  
 THOMAS ROBERT SCREEN  
 DALE RAY SEIBER  
 WAYNE MASAMI SENO

PHILLIP BARRY SHAIN  
 ROBERT SIEGFRIED STELZER  
 LAWRENCE DAVID STEPENSKE  
 CHARLES RAGAN STONE, Honors  
 ROGER RUSSELL STROMSTA, Honors  
 JERRY CLETIS SWALLEY  
 THOMAS HENRY SYTKO  
 ERVIN JERRY TRAPA  
 DENNIS PETER TRUMPINSKI  
 JOSEPH ANTHONY USIEWICZ  
 SUI KONG VAN ALLEN  
 LANNY DAXTER WELLS  
 EUGENE ERNEST ZAVREL

*In Metallurgical Engineering*

JOHN WOLFERSPERGER DAVIS  
 JOSEPH MORTIMER GULKISON  
 GERALD VERNON JESKEY

RALPH WILLIAM LEONARD  
 STEWART JOHN VEECK

*In Mining Engineering*

ROBERT FRANK ALM, Honors  
 THOMAS EDWARD FINCH  
 DONALD GENE KENNEASTER

NEIL JOHN RICHTER, Honors  
 JOHN ARNOLD SHOTTON, JR.  
 JOSEPH EUGENE THRASHER

**COLLEGE OF LIBERAL ARTS AND SCIENCES**

**Degree of Bachelor of Arts**

*In Liberal Arts and Sciences*

RICHARD HENRY ALSTON  
 LLOYD EUGENE AMBROSIOUS, Honors in  
 Liberal Arts and Sciences with  
 High Distinction in History  
 JOYCE CLAIRE ANDERSON  
 BONITA LOUISE ANSLOW  
 GEORGE BARFORD  
 MARY HANSON BERTHA, Honors in Lib-  
 eral Arts and Sciences with Dis-  
 tinction in Finance  
 RONALD FRANCIS BIANCHI  
 MARTIN BRUCE BRESLER  
 RAYMOND MICHAEL BROD  
 LOIS ANN WEIHE BROSS  
 THOMAS JAY BURGESS  
 RICHARD EDWARD CARR  
 GISELLE CHESROW, Honors in Liberal  
 Arts and Sciences with Distinction  
 in Latin American Studies  
 MARSHA SHAVITZ COHEN  
 JAMES FREDRICK COLLINS  
 ELIZABETH ANN CRABTREE, Honors in  
 Liberal Arts and Sciences  
 NANCY ANN CULBERTSON  
 LESLIE ALAN DEAN  
 JULIA LAKER DEMMIN  
 RITA LOUISE DISIMONE  
 EVA EHRENBURG FELDMAN  
 JOAN EDMONDS FERGUSON, Honors in  
 Liberal Arts and Sciences with  
 High Distinction in English  
 CAROL ANN FIORITO  
 GERE FRAKER  
 GIOVANNI GRANDINETTI  
 DOROTHY IRENE GRANT, Honors in Lib-  
 eral Arts and Sciences

WAYNE THOMAS GRUEN, Honors in  
 Liberal Arts and Sciences  
 ROBERT CURTIS HACKER  
 RICHARD LEWIS HAMRICK  
 JUDITH ANN HANCOCK  
 DONALD STANLEY HANSON  
 CAROL JOYCE HARRIS, Honors in Lib-  
 eral Arts and Sciences  
 PAUL BRIAN HEMSTREET  
 MARJORIE LEE HETRICK  
 DONALD JOSEPH HILL  
 CHARLES LEWIS HUDSON  
 JANE RAE HUGHES  
 BERNARDINE WICZER HURWITZ  
 REBECCA ANNE HUSS, Honors in Lib-  
 eral Arts and Sciences with Dis-  
 tinction in German  
 RICHARD LEE HUTCHISON  
 MARION BETTY ISSEN  
 WILLIAM IVY JENKINS  
 PETER LEONHARD JOHNSON  
 RICHARD DALE JOHNSON  
 JAMES EDWARD JONISH, Honors in Lib-  
 eral Arts and Sciences with Dis-  
 tinction in Economics  
 SHELLEY KAPLAN  
 EDWARD DONALD KEARNS  
 LOIS JEAN KRAMER, Honors in Liberal  
 Arts and Sciences with Highest  
 Distinction in Russian  
 TAMARA KRON, Honors in Liberal Arts  
 and Sciences  
 PEGGY KRUGER  
 GEORGE ANTHONY KSANDER, Honors in  
 Liberal Arts and Sciences with  
 Distinction in Psychology

FREDERICK LAWRENCE KURETSKI,  
Honors in Liberal Arts and  
Sciences with Distinction in  
Rhetoric

ELIZABETH RAMOS LIM  
RICHARD ALLEN LICKSINGER

JEANETTE MACHINO

WALTER FARRAR MANGEL

IVANNA MARTYNIUK

MICHAEL HAROLD MASSER

SUSAN VIRGINIA MCCOY

DOUGLAS DEAN MCDANIEL

PETER MELVOIN

DIANE MARIE MILESKO

SUSAN KAYE MILLER, Honors in Lib-  
eral Arts and Sciences

NEKETE JOHN MLADE

GEORGE KEMBLE MONTGOMERY

JURATE NARBUTAS

KATHLEEN MARIE NAUGHTON, Honors  
in Liberal Arts and Sciences with  
Distinction in French

MARILYN JOANNE NEUMAN

DAVID JACKSON ORR

PATRICIA ROSE OWCARZ

CLAUDE ALFRED PATTEN

MICHAEL BENJAMIN PRICE

WILLIAM CHARLES PURDY, Honors in  
Liberal Arts and Sciences with  
Distinction in Political Science

MARY FRANCES RANDOLPH

LAURENCE RAYMOND RICHTER, Honors  
in Liberal Arts and Sciences with  
Highest Distinction in Russian

SUSAN LYNNE RISSMAN

CARSON EDDY ROBINSON

DELMER ROGERS, Honors in Liberal  
Arts and Sciences

ANNELIE GISELA ROSENBERG

NILS FREDERICK SANDSTROM

ROBERT ERWIN SIMAK

FRED RONAYNE SPEARS

LARRY DUNCAN SPEARS

FREDERICK BRUNO STANKE

GRANT ARTHUR STRANDBERG

JOAN RETALLACK SWAIN, Honors in  
Liberal Arts and Sciences with  
Distinction in Philosophy

THOMAS STEWART SWANSON

JANET MARILYN WALES, Honors in  
Liberal Arts and Sciences

CARL WALTER WALKER, Honors in  
Liberal Arts and Sciences with  
Distinction in History

ELSIE KUNST WALKER, Honors in Lib-  
eral Arts and Sciences

ROBERT WILLIAM WARFIELD

DONALD PHILLIP WATANABE

MITCHELL SIMON WEISS, Honors in  
Liberal Arts and Sciences

MARVIN BRUCE WINKELMANN

GARY MELVIN YOUNG, Honors in Lib-  
eral Arts and Sciences

CARL LEONARD ZON, Honors in Liberal  
Arts and Sciences with Distinction  
in Political Science

#### *In the Teaching of English*

LUCIA ANNE BLISS

SUSAN THEA GROSSMAN, Honors in  
Liberal Arts and Sciences

ANN JEAN HALIN

JUDITH LEVIN, Honors in Liberal Arts  
and Sciences

BARBARA CAROL NELSON

JANET MARIE RATZ, Honors in Liberal  
Arts and Sciences

LORNA JEAN SCHUHR

LINDA KAY SMITH WEIHL

JANE EILEEN YONTZ, Honors in Liberal  
Arts and Sciences

#### *In the Teaching of French*

ANDREE PELLEGRIN

#### *In the Teaching of German*

THOMAS BATTAGLIA

#### *In the Teaching of Social Studies*

BARBARA DANIELLE ANDERSON, Honors  
in Liberal Arts and Sciences

HOWARD MARTIN BERS

NANCY MAE BILOW, Honors in Liberal  
Arts and Sciences with Distinction  
in the Curriculum

AVRUM ISAAC COHEN

NANCY CAROL FRY, Honors in Liberal  
Arts and Sciences with Highest  
Distinction in the Curriculum

MARDONNA ANN GRAHN, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum

MARSHALL MARK JACOBSON, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum

JOANNE BRAWAR PEKIN

HARRIETTE MAE RENKEN

JAMES COOLIDGE TATNALL, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum

BARBARA KENNEKE TWEED, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum

SYLVIA RUBLE ZEHNER, Honors in Lib-  
eral Arts and Sciences

*In the Teaching of Spanish*

ALAN GARFINKEL  
HELEN HIKAWYJ, Honors in Liberal  
Arts and Sciences

*In the Teaching of Speech*

GEORGE EDWARD HURD CHARD      EILEEN MARY MARKHAM

**Degree of Bachelor of Science***In Chemical Engineering*

RICHARD ARTHUR ALLEN	JERRY ROBERT JARGON, Honors in Lib-
ARTHUR DUANE BIELBY	eral Arts and Sciences
ALFRED WILLIAM CHRISTIANSEN	DAVID ROBERT JORDAN
MINEO FUJII	GEORGE LEE
GARY WALTER GRANZOW	WILLIAM PAUL SCHULTZ
TOM HIATT	

*In Chemistry*

RONALD ALFRED GREINKE, Honors in Liberal Arts and Sciences	MARION HUGH O'LEARY, Honors in Liberal Arts and Sciences with Highest Distinction in the Curricu- lum
HENRY FRED HENNEIKE, JR., Honors in Liberal Arts and Sciences with Highest Distinction in the Curricu- lum	WILLIAM CARL SAXINGER SYDNEY ALAN SHAIN
JEROME McLICK, Honors in Liberal Arts and Sciences with Distinction in the Curriculum	STUART ALVIN STEINBERG, Honors in Liberal Arts and Sciences with Highest Distinction in the Curricu- lum
LEWIS JOHN MONTI	GEORGE EDGAR TRIPP
MICHAEL CHARLES MOURNING	

*In Liberal Arts and Sciences*

JOYCE EDNA ADAMS	DIANA GAY LEAF
PAUL DONALD BECK	DAVID L. LEVIN, Honors in Liberal Arts and Sciences
FRED ERICH BEHR	RICHARD CYRUS LEWIS
JEANETTE MARGARET BOAM	ANDREA LIEBERMAN, Honors in Liberal Arts and Sciences
KAREN LEE BUCKLES	THEODORE EUGENE LIND
THOMAS NOBLE COFER, JR.	LINDA FRANCIA LYONS
STUART LYLE COHEN	JAMES VINCENT MCGUNNIGAL
PHILLIP JOSEPH CUDIA	LEILA ANN MICHAL
BIRUTE MARIA DICPINIGAITIS	MAROLYN SUE MILLER, Honors in Lib- eral Arts and Sciences
SHIRLEY ANN DOUGLAS, Honors in Lib- eral Arts and Sciences	KENNETH LEE MODESITT, Honors in Liberal Arts and Sciences
WALLACE BURTON DUNN	ALFRED BING MOY
ROBERT COLVIN EGGLESTON	MARY JANE BURNHAM NEIBEL, Honors in Liberal Arts and Sciences
ROBERT EARL GAINES, Honors in Lib- eral Arts and Sciences	MARK OBERLANDER
SHARON LYNN GINSBURG, Honors in Liberal Arts and Sciences	MARY VICTORIA ORLANDINI
CLOYD DALE GRACE	DOROTHY IRENE PAYNE
RONALD DEAN GRANT	PERCY HORACE PETERSON
JOYCE HELMKAMP HARRIS	JERRY MARVIN PORZEMSKY, Honors in Liberal Arts and Sciences
JOAN HEMPEL	GREGORY JAMES POZOVICH
DANIEL JAMES HENNESSY	JOSEPH HENRY PRUITT, JR.
ROBERT SEIICHI HIKIDA	RUSSELL MARTIN REID
WILLIAM LYNN HOLMES	MARIE ROSE RUZICKA
HARLAN PAUL JOHNSON	CAROLINE SUSAN SERVEN
JUDITH ANN JOHNSON	LEON GERALD SIERECKI
FRED KENNETH KONRAD	JOHN DAVID SIMS
PHILIP JAMES LANDIS	JAMES MICHAEL STEWART
LORINNE FAITH LANE, Honors in Lib- eral Arts and Sciences with High- est Distinction in Mathematics	WILLIAM ANTHONY STORZ

BENJAMIN FRANKLIN WALLER, JR.  
 WILLARD WILLIAM WALLER  
 KAREN MARGARET WANLESS  
 JOHN VERNA WININGS

EILEEN AYAKO YAMAMOTO  
 DAVID GERSON YEIDEL  
 WILLIAM BOTKIN ZARTMAN  
 DARLENE ZIKICH

*In Physics*

KENNETH AVICOLA, Honors in Liberal Arts and Sciences  
 LOREN DALE FELTS, Honors in Liberal Arts and Sciences  
 JAMES WILLIAM SMITH

*In the Teaching of the Biological Sciences and General Science*

SANDRA JANE BROWN, Honors in Liberal Arts and Sciences  
 IRIS DALE CHARVAT, Honors in Liberal Arts and Sciences  
 LEROY WILLIAM HASSELBRYN, Honors in Liberal Arts and Sciences  
 CATHERINE WINELAND JACKSON, Honors in Liberal Arts and Sciences  
 RICHARD DAVID KREUTZER

*In the Teaching of Chemistry*

FRANCIS GEORGE CARDULLA, Honors in Liberal Arts and Sciences

*In the Teaching of Mathematics*

SHIRLEY ESTA ADAMS  
 ROSEMARY THOMAS FARMER  
 JANET LOUISE PALMER, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

**COLLEGE OF LAW**

**Degree of Bachelor of Laws**

WILLIAM VICTOR ALTENBERGER, B.S., 1957  
 NORMAN YALE BLAZ, A.B., 1960  
 DONALD JOSEPH CASPER, B.S., Lewis College of Science and Technology, 1959  
 JAMES WILLIAM DAY, A.B., MacMurray College, 1962  
 SUSAN RYESTAT GENDE, A.B., 1959  
 CHARLES NORMAN GOLDSTEIN, A.B., 1960  
 WILLIAM LEONARD HULSE, B.S., Illinois State Normal University, 1960  
 HAROLD LEONARD JENSEN, B.S., 1955  
 JOHN GORDON JOHNSON, B.S., 1960  
 ROBERT JAMES LENZ, A.B., 1959  
 RICHARD ALLEN MAKARSKI, A.B., 1960  
 H. IVAN SADLER, B.S., 1939  
 RUTH JOSEPHINE SMILGIS, B.S., 1961  
 ARTHUR WILLIAM SPRAGUE  
 TIMOTHY WHITZEL SWAIN II, A.B., 1961  
 JAMES EDWARD SYKES, Ph.B., Northwestern University, 1960  
 CHARLES ROBERT THOMAS, A.B., 1959  
 HOWARD HYMAN WALKER, B.S., 1961

**COLLEGE OF EDUCATION**

**Degree of Bachelor of Science**

*In Education*

KATHLEEN ANN DENST  
 MARIE LOUISE FAHLING  
 PAUL EDWARD HALAC  
 RALPH WILLIAM IOVINELLI  
 SAIM KAPTAN  
 LEANNE BAUMAN KERCHNER, Honors  
 GAIL ANN KNICKERBOCKER  
 JOACHIM ADOLF LAUER  
 PAUL LINAS  
 MERLE EDWARD LYPE  
 JAY ANDERSON MITCHELL  
 JOHN ANDREW MRAZ  
 CARL JAMES SCAFIDI  
 PAULINE SHELLA SOLOMON  
 FREDERICK GEORGE TROPPE  
 SUSAN SEYMOUR WEINGARTEN  
 DONNA LOU WENE, Honors  
 KATHERINE BURKE WINTERBAUER

*In the Education of the Deaf*

KAREN IRENE DEEN

*In Elementary Education*

PATRICIA MAY ALLEN, High Honors	SYLVIA CLINE MCKINNON
KATHERINE PARSLEY ANDERT	RONA GAIL MILLER
HERMINE GLORIA ANDROW	KAREN PICKETT RANDOLPH, Honors
BARBARA LEE ARRINGTON	MARY JO RICHTER
HARRIET MURPHY BECKER	JOYCE LYNN ROBINSON
VIVIAN INEZ BROSTOFF	JANICE SHARON ROSEN
JOAN MARIE CHRISTOPHER	THELMA BESS RUVINSKY
CYNTHIA LISANN COHENOUR	PATRICIA RUTTER SETCHELL
MARY ELLEN CRONIN	BARBARA JOY SMITH
JUDITH HASKINS DURAN, High Honors	SANDRA JONES STALLMAN, Honors
MYRNA MILLMAN EFRUSSY	CHERYL BORDWELL STROHBEHN
BONNIE EDYNE GARTNER	HESTER NELSON SUGGS
MERLE DEE GOLDBERG	MARJORIE ANN SULLINS
JUDITH MARCIA GREEN	HELENE SANDRA SUVETOR, High Honors
SARA PARKER HAERKAMP	MARCIA KAY TURLEY
MARTHA HAYES LABISKY	MARY JO TRADER TUTTLE
JANET ELISABETH LEVINSON, High Honors	BARBARA HARRIET VOLK
DIANNE DENISE LEWIN	LYNNE ALYNE VRANKIN, High Honors
JOAN WHITNEY LISTON, High Honors	

*In Industrial Education*

LEROY BROWNLEE	HARVEY STEEN MUNTER
JAMES WALLACE EDWARDS	MARVIN BARRY REBUCK
WILLIAM THEODORE INGRAM	RICHARD EARL SCHROEDER
JOSEPH GEORGE KAZDA	WARREN NOBORU SUZUKI

**COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION****Degree of Bachelor of Science***In Accountancy*

RONALD MAIER APPERSON	ROGER ALAN KUHN
CONNIE LAVERN ASHBURN	SHERWOOD LAWRENCE LEVIN
DARWIN LLOYD BORDEN, Honors	DAVID RANDOLPH LOAR
KENNETH EDWARD BRADY	WILLIAM GENE LUKAS
BERNARD JOHN BUSHMAN	GAVIN ALEXANDER MAC MURDO
HOWARD STUART CHAPMAN, Honors	DAVID AARON MASON, High Honors
JOHN HENRY CROLL	ROBERT LEE MCADAMS
MICHAEL JOSEPH CULUMBER	JAMES BERT MCGUIRE
WILLARD JUHNKE DEFILIPPS, Honors	JAMES GEORGE MERRET, JR.
STEPHEN NORMAN ENGBERG	ROBERT LOUIS METZLER
SHELDON DAVID ENGEL, Honors	WILLIAM JOSEPH NIX
DWAYNE EDWIN ENNIS	WILLIAM THOMAS NOWAKOWSKI
JOHN ALLEN FREDERICK	JOHN STUART OGDEN
DAVID ANDREW GOTCH	STANLEY HOWARD PANTOWICH
ROBERT GERARD GRIMLEY, Honors	RONALD RALPH PICKING
CLAYTON MAXWELL HAERKAMP	KENNETH IRWIN SCHANER
WILLIAM JOSEPH HERZING	KENNETH JAMES SCHLORFF
PHILIP LEWIS HINZE	GARY JAY SCHWARTZ
NORMAN LOUIS ISRAEL	WILLIAM LARRY SHELBY
IRWIN MARSHALL JAVINSKY	DAVID M. SIDELL
JACK DEAN JELINEK	SHELLEY IRA SIMON
WILLIAM BRIGHT JOHNSON	BRUCE D. SOLBERG
EDWARD FRANCIS KELLY	

*In Commerce and Law*

HARVEY BERT BASS	LEONARD PEIRCE
LYNN BROOKS CRUM	

*In Commercial Teaching*

GERI HARNISH, Honors	DONNA MARDELLE ZIEGLER, Honors
JAMES PETER LEVY	

*In Economics*

MILTON CLOUD, Honors  
DONALD THEODORE CRUMBACK  
ROBERT MONTROSE FLINT, JR.  
JOHN JACOB HOKIN  
KEITH HERBERT JOHNSON  
PAULETTE JOAN KAMINSKI

WAYNE STONE KNIGHT  
CHESTER ANDREW LAWRENCE  
RICHARD ALLAN RIFAS  
GERALD JOHN SWANSON  
THOMAS GARLAND THOMPSON

*In Economics and Marketing*

JOHN BERNARD JOYCE

*In Finance*

ROBERT THOMAS BOLING, Honors  
ROGER PAUL DEVRIES  
ROBERT CHARLES JEBELIAN  
RICHARD JAMES KRAKORA  
JOHN THOMAS LESTER, Honors  
GARY RAY LICHTENWALTER, Honors  
LEONARD LITBERG  
MARY KATHRYNE MARSHALL, Honors

DAVID FRED MARVIN  
LAWRENCE VAN NEWLIN  
EDWIN BURNLEY POWELL III  
LYDIA SCHUSTEK RUTKOWSKI  
MICHAEL JOHN SHEAHAN  
BARNEY UPTON  
DENNIS WILLIAM VAN DUYN

*In Industrial Administration*

MARK BLANCHARD  
MELVIN CHARLES BRENT  
JERRY LEE EBERHARDT  
JAMES RUSSELL GARDNER  
SIEGMAR FRED GRESCH  
RONALD KEITH GRIMM  
CHARLES PARKER HENNESS  
JARVIS BLAIR JOHNSON

LEONARDO KAUFMAN  
DAVID GEORGE LOHMAN  
FRED ELLIS MEYERS  
LEO MICHAEL STERKOWICZ  
FRANK WILLIAM SULHOFF  
ROBERT JOSEPH TUSHAUS  
ANTHONY JOHN VACCA  
CORNELIUS ROBERT WIERSEMA

*In Management*

ROBERT WILLIAM ABRAHAM  
WILLIAM ROY APPERSON  
STEPHEN STODDARD BUCKLEY  
CARMINE CORSETTI  
JOHN ARTHUR FINICAL  
RAYMOND F. FORTIN  
RICHARD JESTES ISAACS  
JOHN WESLEY KOTT

LYNNE SHARON KRAWITZ, Honors  
WILLIAM FRANKLIN LEWIS  
JAMES RAE MCCLINTOCK  
DAVID CHETHAM MCKEE  
JOHN JOSEPH PETTERCHAK  
LEONARD CHARLES SWANSON  
RONALD RAYMOND ZEHNER

*In Marketing*

HOWARD DAVID ANDERSON  
LARRY LEE AUSTERMILLER  
JOHN ROBERT BLAIR  
LAWRENCE BERT BLOOM  
JAMES JOHN BROWN  
ALAN CLAYPOOL CALDWELL  
PAUL THOMAS CLAREY  
GEORGE THEODORE DEMERIS, JR.  
STEPHEN CARTER EIGEL  
PHIL EMROY GUERMAN, JR.  
DAVID KENT HAMRICK  
PHILIP LEROY HUPFER  
KENNETH JAMES KAPPS

MARY KAREN KASSUBE  
ROBERT KRAKOSKI  
GEORGE RONALD LENO  
ROBERT EDWIN MOUNTZ III  
GERALD RICHARD O'BRYAN  
EDWARD JOSEPH PIETRZYK  
MICHAEL SHERWIN RATNER  
JOHN MARSHALL ROBARDS  
ROBERT BRIAN SCADRON  
REIN FREDERICK SCHUMANN  
WALTER SIDOREWICZ  
CHARLES FRED STAYART

*In Secretarial Training*

SUE DIANE BURKLUND, Honors

MARJORIE ANN DODD, Honors

*In Urban Land Economics*

BRIAN ALBERT BERTHA  
JOHN MICHAEL BLAKLEY

JEROME ANTHONY MODZELEWSKI  
WILLIAM JAMES NELSON

**COLLEGE OF JOURNALISM AND COMMUNICATIONS****Degree of Bachelor of Science***In Communications*

ROBERT BENJAMIN  
DAVID RICHARD CARLSON  
BARBARA ANN CLARK  
IRENE SUE DVORE  
JAMES CHARLES FARLEY  
ELLEN JOYCE FILURIN  
ANN LEE FORREST  
JOHN PHILLIP FORTNER  
RONALD EUGENE FOX  
ALAN HOWARD GERSTEN  
MAYNARD HIRSH KAPLAN  
JAMES ANTHONY KLOSOWSKI

PHILIP EUGENE LAMBDIN  
KIRK MASLIN  
DUANE MCGOON  
DONALD EDWARD NESBITT  
DENNIS KENT NOVAK  
BRADLEY BERAN PALMER  
SHARON PRIMACK, High Honors  
GRACE CECILIA RICKMAN  
MICHAEL JOSEPH RILEY  
LINDA JOAN SANDWICK  
STANLEY LEWIS WHEAT  
PETER CARL WITTENBERG

**COLLEGE OF FINE AND APPLIED ARTS****Degree of Bachelor of Architecture**

MIKIO AKAGI  
RONALD KENT BEYER, High Honors  
CHARLES GERALD BISCHOFF  
WALTER EDWIN BLISS  
ROBERT WILLIAM BOKENKAMP  
JAMES BRAUN CLARAGE  
BRUCE RAY DAMMANN  
RICHARD ARTHUR DEVINE  
ROBERT STANLEY ENGLE  
VYTAUTAS EDUARDAS GIRDVAINIS  
EDWARD ALOYSIUS GROCHOWIAK  
ROBERT HENRY HALL  
RONALD NELSON HELMS  
JOHN OWEN HIGGINS  
CHARLES BURTON HOOK, High Honors  
ALBERT ROY HUNT  
LEE CHRISTIAN JENSEN  
HANS CLAUS KOSEL

CHRISTOPHER ALAN MOYER  
WESLEY WALTER NELSON  
ANDREW LEE NORDYKE  
CHARLES MARIS OLDHAM  
RICHARD THOMAS RAY  
JONATHON GERALD REHNBERG  
ARNOLD CHARLES REZNIK  
TOM RICHARD RUPPERT  
NICK GEORGE SCARLATIS  
JAMES EDWARD SIMON  
JAMES ALLEN SMALL  
NARIMANTAS JURGIS STATKUS, Honors  
DAVID FREDERICK TIEDT  
RAYMOND WILLIAM URICK  
KURT MARSHALL VANDERHORST,  
Honors  
WESLEY MURRAY WITT, High Honors  
JOE WOO, JR.

**Degree of Bachelor of Fine Arts***In Advertising Design*

ROBERT FRANK IZARD  
JEROME THOMAS TAVERNA

ROLLIN JAMES WILSON

*In the History of Art*

SUZANNE RINGLER

*In Industrial Design*

ROBERT WILLIAM BECKER

NED ROBERT KUYPERS, Highest Honors

*In Painting*

BARBARA ANN EFTING, Honors

SANDRA LEE WILLARD

**Degree of Bachelor of Music**

VIRGINIA ELIZABETH HOMMEL, Highest  
Honors  
RUDOLPH RONALD MATAS

KIM ROBERT RICHMOND, High Honors  
THOMAS VALENTINE SIWE

**Degree of Bachelor of Science***In Music Education*

LYNDEL LOREN DAVIS, Honors  
KAREN CRANE GOGGIN  
DONNA DALE LAMBIRD, Highest  
Honors

WILLIAM JOHN MCNEILAND, Highest  
Honors  
FRANKLIN LLOYD POST

## COLLEGE OF PHYSICAL EDUCATION

## Degree of Bachelor of Science

*In Health Education*

ROBERT JOSEPH GRECO

*In Physical Education*

EDWARD ANDREW BOZEK  
 KENNETH GEORGE BRONSON  
 BRUCE SAMUEL CACCIAPAGLIA  
 EUGENE ANTHONY DEGRAZIA, Honors  
 MIRIAM ADRIENNE DONATH-SKJORTEN  
 JAMES PAUL ELLINGER, Honors  
 HAYWARD PHILIP GARRETT, Honors  
 RALPH DONALD HEGENER  
 RONALD VICTOR JOHNSON  
 EDWARD ROBERT KEIN  
 FRANK VITO LOLLINO  
 JAYNE ALYCE MEYER, Honors  
 BRUCE ALDEN MILLER  
 MAX GILBERT MITCHELL

JOHN MICHAEL MODICA, Honors  
 ROBERT JOHN MORS, JR.  
 FRANCIS MICHAEL MUSIL, Honors  
 ALLEN ROBERT NATELSKY  
 FORREST THOMAS NEILSON  
 RICHARD STEVEN PAWLOW  
 JOHN RONALD RICHARDS  
 DENNIS STANLEY ROSEN, Honors  
 RICHARD LOREN SCOVILLE  
 MYRNA STERN, Honors  
 LAWRENCE DAVID TICKNER  
 BEVERLY KAMPE TIEZZI, Honors  
 CHARLES BENJAMIN YOUNGER III,  
 Honors

*In Recreation*

WILLIAM BLAINE ADAMS, JR.  
 MICHAEL SYLVESTER POPE

WALTER THOMAS STANCY  
 JAMES LYNN WALKER

## SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations, declinations, and terminations; leaves of absence; cancellations of sabbatical leaves of absence.

## APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

- ALEXANDROU, N. E., Research Associate in Chemistry, seven months from February 1, 1963, \$6,000 a year (1-29-63).  
 ALEXOPOULOS, GEORGE G., Instructor in Physics (Chicago Undergraduate Division),  $\frac{1}{3}$  time, five months from February 1, 1963, \$1,200 (1-3-63).  
 APPLEBEE, ROGER K., Research Associate in English, and Associate Director of Cooperative Research Project No. 994, Department of English, seven months from February 1, 1963, \$10,500 a year (1-28-63).  
 ARNOLD, ROGER T., Instructor in Ceramic Engineering (C), February 1-June 15, 1963, \$3,375 (1-30-63).  
 ATKIN, J. MYRON, Professor of Elementary Education, June 17-August 23, 1963, \$3,195; this is in addition to his present appointment (2-1-63).  
 BABIAK, PAUL P., Catalog Assistant in the Library, February 18-August 31, 1963, \$5,700 a year (1-9-63).  
 BACON, ALFONS R., Clinical Assistant Professor, *Emeritus*, in the Department of Obstetrics and Gynecology, in the College of Medicine.  
 BARENBERG, ERNEST J., Research Associate in Civil Engineering (C and S), February 1-June 15, 1963, \$3,300, supersedes (1-30-63).  
 BARTLETT, JAMES H., Professor of Physics (C), two months from June 16, 1963, \$1,166.67 a month; this is in addition to his present appointment (2-1-63).  
 BARTRAM, HARLAN G. H., Assistant Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$1,955.54 for the period, supersedes previous Summer Session (2-2-63).  
 BEAMAN, DONALD R., Assistant in Metallurgical Engineering (C),  $\frac{1}{2}$  time, February 1-June 15, 1963, \$244.44 a month (1-23-63), and Research Assistant in Physics (C),  $\frac{1}{2}$  time, one year from September 1, 1962, \$213.92 a month, supersedes (6-18-62).



- BERNSTEIN, LENORE J., Research Assistant in Administration (Dentistry), seven months from February 1, 1963, \$5,400 a year (2-4-63).
- BILGER, H. R., Visiting Research Associate in the Digital Computer Laboratory, November 27, 1962-June 15, 1963, \$777.77 a month, supersedes (1-10-63).
- BULLOCK, BARBARA, Assistant Reference Librarian, with rank of Assistant, January 28-August 31, 1963, \$5,500 a year (1-4-63).
- CAMP, MARY J., Acquisitions Assistant in the Library, seven months from February 1, 1963, \$5,600 a year, supersedes (1-29-63).
- CAREY, JAMES W., Assistant Professor of Journalism, to render service during the second semester of the academic year, March 1-August 31, 1963, \$8,400 a year, supersedes (2-1-63).
- CARLIER, ROBERT G., Assistant in Education (University High School), February 1-June 15, 1963, \$3,375, supersedes (1-19-63).
- CARNES, WALTER R., Lecturer in Theoretical and Applied Mechanics (C),  $\frac{1}{2}$  time, to render service during the second semester of the academic year, March 1-August 31, 1963, \$2,700 a year, supersedes (2-1-63).
- CASAS, RAMON E., Clinical Instructor in Medicine (Medicine), eight months from January 1, 1963, without salary (1-29-63).
- CLARK, MRS. VALMAI R., Catalog Assistant in the Library, seven months from February 1, 1963, \$5,500 a year (1-16-63).
- CRAMPTON, MRS. GERTRUDE J., Instructor in Medical Social Work (Medicine), January 7-August 31, 1963, \$6,700 a year (1-19-63).
- CRANDALL, CORYL, Assistant in English, February 1-June 15, 1963, \$466.67 a month (1-29-63).
- CRAWFORD, JAMES E., Consultant to the Committee on International Center Program, \$616.67 a month, January 1-February 2, 1963, and April 3-May 31, 1963; Secretary and Administrative Assistant in International Programs, \$675 a month, February 3-April 2, 1963; and Supervisor of Counseling and Operations in the Men's Residence Halls, beginning June 1, 1963, \$7,400 a year (1-30-63).
- CROSSETT, MARGARET L., Acquisitions Assistant in the Library, seven months from February 1, 1963, \$5,500 a year (1-29-63).
- CRUMLISH, BRIAN J., Research Associate in the Small Homes Council-Building Research Council, two months from December 16, 1962, \$1,000 a month (1-23-63).
- DACH, EUGENE W., Instructor in Psychiatry (Medicine), one year from September 1, 1962, without salary (1-7-63).
- DEDMON, ROBERT E., Instructor in Medicine and in Microbiology (Medicine), five months from February 1, 1963, without salary, supersedes previous nonsalaried appointment (2-4-63).
- DE WAN, EDMUND, Assistant in Education (University High School), January 7-June 15, 1963, \$477.78 a month, supersedes (1-16-63).
- DICKEY, ROBERT C., Administrative Assistant in Commerce Administration, College of Commerce and Business Administration, eight months from January 1, 1963, \$9,800 a year, supersedes (1-24-63).
- DODD, GEORGE G., Research Associate in the Coordinated Science Laboratory and in Electrical Engineering (C),  $\frac{2}{3}$  time, to render service during the second semester of the academic year, March 1-August 31, 1963, \$3,350 a year, supersedes (1-29-63).
- ESTIN, ROBERT W., Lecturer in Physics (Chicago Undergraduate Division), to render service during the second semester of the academic year, February 1-July 31, 1963, \$4,000 (1-23-63).
- FALICOV, MRS. CELIA H. J., Assistant in Psychiatry (Medicine), eleven months from October 1, 1962, without salary (1-15-63).
- FARA, HARRY, Instructor in Petroleum Engineering (C),  $\frac{3}{4}$  time, February 1-June 15, 1963, \$550 a month, supersedes (1-29-63).
- FARRIS, ROBERT E., Research Associate in Ceramic Engineering (S), full time, April 1-May 31, 1963, \$666.66 a month; and  $\frac{3}{4}$  time, June 1-August 31, 1963, \$500 a month (2-6-63).
- FASS, MARTIN, Research Associate in Motion Picture Services (College of Journalism and Communications), January 2-August 31, 1963, \$7,000 a year (1-15-63).
- FELDMAN, SHELDON, Research Associate in Psychology,  $\frac{1}{2}$  time, February 1-June 15, 1963, \$240.74 a month, and in the Institute of Communications Research,  $\frac{2}{3}$  time, February 1-June 30, 1963, \$581.48 a month, supersedes (1-19-63).

- GARDNER, KARL E., Chief of Party (College Administrator) of Survey Team going to Sierra Leone, for the Office of International Programs, \$3,154 for the period February 3-April 3, 1963; and from April 3, 1963, Professor of Nutrition (Dairy Science) and Associate Dean of the College of Agriculture, \$17,200 a year (1-30-63).
- GLEN, DONALD L., Instructor in Surgery (Medicine), 95/100 time, January 7-August 31, 1963, \$4,680 (1-29-63).
- HARDIN, JACK, Research Assistant in Civil Engineering (S), February 1-June 15, 1963, \$488.89 a month, supersedes (1-29-63).
- HARSHBARGER, KENNETH E., Professor of Nutrition (Dairy Science) and Associate Head of the Department of Dairy Science (C and S), indefinite tenure from February 1, 1963, \$12,400 a year, supersedes (2-1-63).
- HEINS, ROBERT W., Instructor in Mining Engineering (C), February 1-June 15, 1963, \$666.66 a month (1-30-63).
- HOLMES, ALBERT W., JR., Instructor in Medicine and in Microbiology (Medicine), five months from February 1, 1963, without salary, supersedes previous non-salaried appointment (2-4-63).
- HOPKINS, CHARLES A., Assistant in Neurology and Neurological Surgery (Medicine), one year from January 1, 1963, without salary (2-4-63).
- HOWARD, MARY H., Catalog Assistant in the Library, seven months from February 1, 1963, \$5,500 a year (1-30-63).
- HUTCHINSON, DAVID, Research Assistant in the Digital Computer Laboratory, February 1-June 15, 1963, \$2,925 (2-5-63).
- JANE, JOHN A., Assistant in Neurology and Neurological Surgery (Medicine), one year from January 1, 1963, without salary (2-4-63).
- JENSEN, LLOYD, Assistant Professor of Political Science, to render service during the second semester of the academic year, March 1-August 31, 1963, \$6,500 a year, supersedes (1-19-63).
- KARNES, M. RAY, Education Member of Sierra Leone Survey Team (Trainer of Rural School Teachers), going to Sierra Leone for the Office of International Programs, \$3,116 for the period February 3-April 3, 1963; and beginning April 3, 1963, Professor of Education, in the Bureau of Educational Research, \$17,000 a year (1-30-63).
- KAVANAGH, JEAN, Research Assistant in Psychiatry (Medicine), December 24, 1962-August 31, 1963, \$4,980 a year (1-7-63).
- KISTNER, ARTHUR L., Instructor in English, to render service during the second semester of the academic year, March 1-August 31, 1963, \$6,000 a year, supersedes (1-30-63).
- KIATT, MELVIN J., Instructor in Library Administration and Serials and Acquisitions Librarian (Chicago Undergraduate Division), eight months from January 1, 1963, \$7,950 a year, supersedes (12-31-62).
- KOKKEDEE, J. J., Research Associate in Physics (C), one year from September 1, 1963, \$8,000 (2-1-63).
- KOZLOW, ROBERT D., Research Associate in Data Processing and Systems (Librarian), and Instructor in Library Administration (Chicago Undergraduate Division), eight months from January 1, 1963, \$5,850 a year (1-14-63).
- KRAUSS, DIETLINDE E., Research Associate in Chemistry, June 1, 1963-August 31, 1964, \$5,850 a year, supersedes (1-29-63).
- LAGOW, ROBERT L., Research Associate in Motion Picture Services (College of Journalism and Communications), eight months from January 1, 1963, \$6,600 a year (1-15-63).
- LAND, MRS. VERA F. C., Assistant in Foreign Languages (Chicago Undergraduate Division), February 1-June 15, 1963, \$2,300 (2-4-63).
- LANGER, JACK A., Instructor in Dentistry (Dentistry),  $\frac{1}{2}$  time, January 15-August 31, 1963, \$1,500 a year (1-29-63).
- LASCHNER, ROBERT R., Research Associate in Mechanical Engineering (C), seven months from February 1, 1963, \$8,600 a year, supersedes (1-23-63).
- LATHROP, JOHN F., Research Physicist in the Department of Physics (C) and in the Digital Computer Laboratory, six months from March 1, 1963, \$8,000 a year, supersedes (1-30-63).
- LEES, ROBERT B., Associate Professor of English and Linguistics, and Director of Program of Linguistics (College of Liberal Arts and Sciences),  $\frac{2}{3}$  time, and Research Associate Professor in the Institute of Communications Research

- (College of Journalism and Communications), indefinite tenure beginning March 1, 1963, to render service during each academic year, \$12,000 a year, supersedes (1-15-63).
- LEMKE, DARRELL H., Instructor in Library Administration and Assistant Reference Librarian (Chicago Undergraduate Division), nine months from December 1, 1962, \$5,850 a year (12-31-62).
- LEWIS, DAVID G., Visiting Research Associate in Agronomy (S), nine months from March 1, 1963, \$4,800 (1-14-63).
- LEWIS, ROBERT O., Clinical Instructor in Surgery (Medicine), nine months from December 1, 1962, without salary (1-3-63).
- LUCAS, ROBERT A., Research Assistant in English, seven months from February 1, 1963, \$6,000 a year, supersedes (1-30-63).
- MCMASTERS, DONALD L., Visiting Lecturer in Chemistry, Summer Session of 1963, June 17-August 10, 1963, \$1,778 for the period (2-4-63).
- MOCEGA, HILDA E., Research Assistant in Microbiology (Medicine), eight months from January 1, 1963, \$5,000 a year (1-15-63).
- MORGAN, MARTHA A., Research Associate in Elementary Education, July 1-August 23, 1963, \$1,511; this is in addition to her present appointment (2-1-63).
- NANNELLI, PIERO, Research Associate in Chemistry, eight months from January 1, 1963, \$6,150 a year (1-15-63).
- NIETO-RAMIREZ, JOSE A., Research Assistant in Civil Engineering (S), February 1-June 15, 1963, \$555.56 a month, supersedes (2-1-63).
- NIKOLAI, ROBERT J., Instructor in Theoretical and Applied Mechanics (C), to render service during the second semester of the academic year, March 1-August 31, 1963, \$6,000 a year, supersedes (1-16-63).
- ODELL, RUSSELL T., Member of Sierra Leone Survey Team (Agricultural Research and Extension Specialist) going to Sierra Leone for the Office of International Programs, \$3,025 for the period February 3-April 3, 1963; and beginning April 3, 1963, Professor of Pedology (Agronomy), \$16,500 a year (1-30-63).
- ONANTIAN, EDWARD D., Research Associate in the Bureau of Economic and Business Research,  $\frac{2}{3}$  time, seven months from February 1, 1963, \$2,485 (2-1-63).
- PAPPADAMOS, JOHN N., Assistant Professor of Physics (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the second semester of the academic year, March 1-August 31, 1963, \$1,300, supersedes (1-3-63).
- PATLOGAN, SYLVIA, Instructor in Foreign Languages (Chicago Undergraduate Division),  $\frac{1}{4}$  time, to render service during the second semester of the academic year, February 1-June 30, 1963, \$825 (1-28-63).
- PATTISON, JEFFREY, Research Associate in Chemistry, February 11-August 31, 1963, \$5,850 a year, supersedes (2-4-63).
- PAUL, M., Visiting Research Associate in the Digital Computer Laboratory, two months from February 1, 1963, \$800 a month (10-29-63).
- PEARSON, JOHN E., Professor of General Engineering,  $\frac{3}{4}$  time, and of Civil Engineering,  $\frac{1}{4}$  time (C and S), indefinite tenure from March 1, 1963, to render service during each academic year, \$12,200 a year, supersedes (1-30-63).
- PIORKOWSKI, MRS. GERALDINE J., Instructor in Psychology,  $\frac{1}{2}$  time, February 1-June 15, 1963, \$222.22 a month (2-4-63).
- PLOTKIN, WILLIAM H., Assistant Professor of Clinical Speech and Acting Director of the Speech and Hearing Center, Department of Otolaryngology (Medicine), seven months from February 1, 1963, \$10,000 a year, supersedes (1-3-63).
- PODORE, ISADORE D., Instructor in Dentistry (Dentistry),  $\frac{1}{2}$  time, January 15-August 31, 1963, \$1,500 a year (1-29-63).
- PORTER, MAURICE G., Assistant Professor of General Engineering (C and S), to render service during the second semester of the academic year, March 1-August 31, 1963, \$8,400 a year, supersedes (1-30-63).
- POSTGATE, JOHN R., Visiting Professor of Microbiology, February 1-June 15, 1963, \$1,066.66 a month (1-16-63).
- PUNDT, HERMAN G., Instructor in Architecture, to render service during the second semester of the academic year, March 1-August 31, 1963, \$8,000 a year (1-16-63).
- RAJKUMAR, T. V., Research Associate in Biological Chemistry (Medicine), seven months from February 1, 1963, \$7,200 a year, supersedes (1-14-63).
- RISLEY, WILLIAM O., Senior Research Engineer, Measurement Program (C), six months from March 1, 1963, \$12,500 a year (2-4-63).

- RONE, JAMES W., Research Assistant in Civil Engineering (S), February 1-March 15, 1963, \$488.88 a month, supersedes (1-29-63).
- SCOGGINS, JAMES L., Instructor in English, to render service during the second semester of the academic year, March 1-August 31, 1963, \$6,000 a year, supersedes (1-30-63).
- SCOTT, MRS. WINIFRED P., Assistant in Occupational Therapy (Medicine), January 7-August 31, 1963, \$6,300 a year (1-7-63).
- SECTER, IRVING, Assistant Professor of Clinical Dentistry (Dentistry),  $\frac{4}{5}$  time, January 15-August 31, 1963, \$6,800 a year, supersedes (1-29-63).
- SHAFFER, PAUL R., Professor of Geology,  $\frac{1}{2}$  time, indefinite tenure, and Associate Provost for Undergraduate Affairs,  $\frac{1}{2}$  time, March 1-August 31, 1963, to render service during each academic year, \$15,000 a year, supersedes (1-19-63).
- SILLIKER, JOHN H., Research Associate in Preventive Medicine (Medicine), December 15, 1962-August 31, 1963, \$9,500 a year (1-4-63).
- SMITH, MRS. LUCILLE M., Instructor in Speech and Theatre, to render service during the second semester of the academic year, March 1-August 31, 1963, \$6,000 a year (1-23-63).
- SOLLO, FRANK W., JR., Research Associate in the State Water Survey,  $\frac{1}{10}$  time, six months from January 1, 1963, \$1,300 a year, supersedes (1-10-63).
- STAMBAUGH, MRS. MARY K., Research Assistant in Microbiology, January 21-August 31, 1963, \$6,000 a year (2-6-63).
- STEIN, HERBERT J., Research Associate in the Coordinated Science Laboratory (C),  $\frac{1}{2}$  time to render service during the second semester of the academic year, March 1-August 31, 1963, \$229.16 a month, supersedes (1-23-63).
- STEINBECK, PAUL W., Associate Director for Civil Defense and Assistant to the Director of the Physical Plant, February 1-August 31, 1963, \$4,784 for the period, supersedes (1-30-63).
- STEWART, OMAR W., Instructor in Chemistry, to render service during the second semester of the academic year, February 1-August 31, 1963, \$3,300 (1-23-63).
- TAULBEE, DALE B., Instructor in Theoretical and Applied Mechanics (C),  $\frac{1}{4}$  time, February 1-June 15, 1963, \$750 (2-4-63).
- THORNE, MARLOWE D., Professor of Agronomy, indefinite tenure, and Head of the Department of Agronomy (C, S, and E), beginning March 15, 1963, \$19,500 a year (1-17-63).
- THUN, EDWARD H., Research Assistant in Pharmacognosy and Pharmacology (Pharmacy), January 14-August 31, 1963, \$5,700 a year (1-29-63).
- TILLMAN, PAUL W., Clinical Associate in Preventive Medicine (Medicine), January 15-August 31, 1963, without salary (1-23-63).
- TRENSKY, PAUL L., Assistant Professor of Russian, to render service during the second semester of the academic year, March 1-August 31, 1963, \$6,500 a year, supersedes (2-1-63).
- TROTT, B. DALE, Research Associate in Metallurgical Engineering (C),  $\frac{3}{4}$  time, February 1-June 15, 1963, \$450 a month (1-15-63).
- UECKER, FRANCIS A., Assistant Professor of Biological Science (Division of General Studies), February 1-June 15, 1963, \$777.77 a month (1-16-63).
- URIU, STANLEY A., Clinical Instructor in Medicine (Medicine), eight months from January 1, 1963, without salary (1-19-63).
- VAN DER LINDEN, RICHARD R., Research Assistant in Education (University High School), December 1, 1962-June 15, 1963, \$444 a month (1-9-63).
- WATSON, J. STROUD, JR., Instructor in Architecture, to render service during the second semester of the academic year, March 1-August 31, 1963, \$7,500 a year (1-15-63).
- WEINMAN, KARLA P., Research Assistant in Physiology and Biophysics, February 1-June 15, 1963, \$444.44 a month (1-16-63).
- WHITE, GEORGE W., Professor of Geology, Summer Session of 1963, July-August 10, 1963, \$3,101 for the period, supersedes previous Summer Session appointment (2-4-63).
- WILKIN, FRED R., JR., Visiting Lecturer in Elementary Education, July 1-August 23, 1963, \$2,400 (2-6-63).
- WILLIAMS, CHARLES L., Clinical Instructor in Medicine (Medicine), September 28, 1962-August 31, 1963, without salary (1-23-63).
- WILLIS, JUDITH H., Instructor in Entomology, February 1-May 31, 1963, \$3,250 (1-23-63).

- WINKELMANN, MARVIN B., Assistant in Foreign Languages (Chicago Undergraduate Division), February 1-June 15, 1963, \$2,300 (2-4-63).  
YOCUM, PAUL S., JR., Clinical Instructor in Ophthalmology (Medicine), eight months from January 1, 1963, without salary (1-15-63).  
YOUNG, QUENTIN D., Clinical Associate in Preventive Medicine (Medicine), seven months from February 1, 1963, without salary (2-4-63).  
ZOGG, CARL A., Research Associate in Dairy Science (S), eight months from January 1, 1963, \$6,000 a year (1-15-63).

#### GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- AIGNER, DENNIS J., Fellow in Economics, three months from June 16, 1963, \$900 (12-28-62).  
BEAK, PETER, Fellow in Chemistry, three months from June 16, 1963, \$900 (12-28-62).  
BIRCH, JOHN W., Fellow in Economics, three months from June 16, 1963, \$900 (12-28-62).  
BODNAR, PETER, Fellow in Art, three months from June 16, 1963, \$900 (12-28-62).  
BOGART, HERBERT, Fellow in English, three months from June 16, 1963, \$900 (12-28-62).  
BOND, JAMES A., Fellow in Biology, three months from June 16, 1963, \$900 (12-28-62).  
BOWEN, VINCENT E., Fellow in French, three months from June 16, 1963, \$900 (12-28-62).  
BRANDABUR, EDWARD J., Fellow in English, three months from June 16, 1963, \$900 (12-28-62).  
BROWNE, JULIA, Fellow in Art, three months from June 16, 1963, \$900 (12-28-62).  
CATON, CHARLES E., Fellow in Philosophy, three months from June 16, 1963, \$900 (12-28-62).  
CHIHARA, CHARLES S., Fellow in Philosophy, three months from June 16, 1963, \$900 (12-28-62).  
DEVILLEZ, EDWARD J., United States Public Health Service Fellow (Trainee) in Physiology and Biophysics, one year from February 1, 1963, \$2,666 (1-24-63).  
DOOLEY, RAYMOND W., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, February 7, 1963-January 31, 1964, \$4,000 (1-10-63).  
DOTY, CAROL L., Katharine L. Sharp Fellow in Library Science, February 1-June 15, 1963, \$250 (1-28-63).  
EDIE, CAROLYN A., Fellow in History, three months from June 16, 1963, \$900 (12-28-62).  
EUSTICE, DAN J., Fellow in Mathematics, three months from June 16, 1963, \$900 (12-28-62).  
FINNEY, MILDRED I., Fellow in Geography, three months from June 16, 1963, \$900 (12-28-62).  
FISHBEIN, MARTIN, Fellow in Psychology, three months from June 16, 1963, \$900 (12-28-62).  
FITZGERALD, JAMES E., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, five months from January 1, 1963, \$2,708.35, supersedes (1-4-63).  
FORSTER, MERLIN H., Fellow in Spanish, three months from June 16, 1963, \$900 (12-28-62).  
FOTHERGILL, WILLIAM, Fellow in Art, three months from June 16, 1963, \$900 (12-28-62).  
GABEL, JOHN B., Fellow in English, three months from June 16, 1963, \$900 (12-28-62).  
GABEL, NORMAN W., United States Public Health Service Postdoctoral Fellow in Psychiatry (Medicine), one year from December 1, 1962, without stipend (1-7-63).  
GALE, HENRY H., United States Public Health Service Fellow (Trainee) in Physiology, six months from January 1, 1963, \$1,500 (1-4-63).  
GILLESPIE, ROBERT W., Fellow in Economics, three months from June 16, 1963, \$900 (12-28-62).

- GOTTHEIL, FRED M., Fellow in Economics, three months from June 16, 1963, \$900 (12-28-62).
- GRELAK, ROBERT P., United States Public Health Service Fellow (Trainee) in Pharmacology, Medical Center, Chicago, eight months from January 1, 1963, \$1,466.72 (1-17-63).
- GRUCZA, LEO, Fellow in Art, three months from June 16, 1963, \$900 (12-28-62).
- HALE, KENNETH L., Fellow in Anthropology, three months from June 16, 1963, \$900 (12-28-62).
- HAY, WILLIAM W., Fellow in Geology, three months from June 16, 1963, \$900 (12-28-62).
- HEFTER, GILBERT, Medical Student Alternative Quarter Fellow, three months from January 1, 1963, \$200 (1-17-63).
- HOFFMAN, LARRY R., Fellow in Botany, three months from June 16, 1963, \$900 (12-28-62).
- HURTIG, MARTIN R., Fellow in Art, three months from June 16, 1963, \$900 (12-28-62).
- KAUFMANN, U. MILO, Fellow in English, three months from June 16, 1963, \$900 (12-28-62).
- KERSTIE, DONALD, United States Public Health Service Fellow (Trainee) in Psychiatry, Medical Center, Chicago, December 1, 1962-June 15, 1963, \$433.33 (12-21-62).
- KLEIN, KURT, Fellow in Russian, three months from June 16, 1963, \$900 (12-28-62).
- KRIEGER, GEORGE W., Office of Vocational Rehabilitation Fellow (Trainee) in Education, February 1-June 15, 1963, \$900 (2-5-63).
- LAFAVE, WAYNE R., Fellow in Law, three months from June 16, 1963, \$900 (12-28-62).
- LOFTUS, RICHARD J., Fellow in English and Division of General Studies, three months from June 16, 1963, \$900 (12-28-62).
- MCCORMICK, MICHAEL R., United States Public Health Service Fellow (Trainee) in Ophthalmology, Medical Center, Chicago, six months from January 1, 1963, \$1,500 (12-20-62).
- MEITZER, MICHAEL M., Fellow in German, three months from June 16, 1963, \$900 (12-28-62).
- MOORE, A. DOYLE, Fellow in Art, three months from June 16, 1963, \$900 (12-28-62).
- MURRAY, EDWARD F., Eli Lilly Research Fellow in Microbiology, Medical Center, Chicago, one year from January 1, 1963, \$6,000 (12-19-62).
- MYERS, DAVID D., United States Public Health Service Fellow (Trainee) in Veterinary Medicine, five months from January 1, 1963, \$2,208.30, supersedes (1-3-63).
- NAGEL, STUART, Fellow in Political Science, three months from June 16, 1963, \$900 (12-28-62).
- ORLAND, GEORGE H., Fellow in Mathematics, three months from June 16, 1963, \$900 (12-28-62).
- POPE, SHIRLEY A., Fellow in French, February 1-June 15, 1963, \$750, and two months from June 16, 1963, \$375 (1-10-63).
- POWELL, JAMES M., Fellow in History and Division of General Studies, three months from June 16, 1963, \$900 (12-28-62).
- ROEDER, ROBERT C., Fellow in Astronomy, three months from June 16, 1963, \$900 (1-4-63).
- ROSS, MRS. JOHNNIE B. A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$3,908.75, supersedes (1-21-63).
- ROY, JOHN A., Fellow in Art, three months from June 16, 1963, \$900 (12-28-62).
- SAXINGER, WILLIAM C., United States Public Health Service Fellow (Trainee) in Microbiology, seven months from February 1, 1963, \$1,555.75 (2-6-63).
- SAYRE, ROBERT F., Fellow in English, three months from June 16, 1963, \$900 (12-28-62).
- SCHLESINGER, CHARLES V., United States Public Health Service Fellow (Trainee) in Physiology and Biophysics, one year from February 1, 1963, \$2,666 (1-24-63).
- SENNELLO, LAWRENCE T., United States Public Health Service Fellow (Trainee) in Food Technology, July 1, 1962-June 15, 1963, \$2,500, supersedes (1-10-63).
- SIEBERT, F. MARK, Fellow in Music, three months from June 16, 1963, \$900 (12-28-62).

- SWARTZ, EDWARD, B. B. Rappaport Part-Time Research Fellow in the College of Dentistry, Medical Center, Chicago, five months from January 1, 1963, \$500 (1-7-63).
- UNZICKER, ROGER G., United States Public Health Service Fellow (Trainee) in Pharmacology, Medical Center, Chicago, eight months from January 1, 1963, \$1,800 (1-17-63).
- WAHL, FLOYD M., Fellow in Geology, three months from June 16, 1963, \$900 (12-28-62).
- WARD, WILLIS W., Fellow in Physical Education for Women, three months from June 16, 1963, \$900 (12-28-62).
- WASSON, RICHARD, Fellow in English, three months from June 16, 1963, \$900 (12-28-62).
- WHEATLEY, JAMES H., Fellow in English, three months from June 16, 1963, \$900 (12-28-62).
- WIELAND, ANNA M., United States Public Health Service Fellow (Trainee) in Ophthalmology, Medical Center, Chicago, six months from January 1, 1963, \$2,750 (12-20-62).
- YUSEM, MILTON, Fellow in Physical Sciences, three months from June 16, 1963, \$900 (12-28-62).

#### RESIGNATIONS, DECLINATIONS, AND TERMINATIONS

- ACKERMAN, CHARLES E., Assistant Professor of Floriculture (Horticulture) — resignation effective July 1, 1963.
- ALBALA, MAURICE M., Clinical Instructor in Medicine (Medicine) — resignation effective February 1, 1963.
- ANDREWS, DANIEL K., Assistant Professor of Accountancy (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.
- ANNEER, GEORGE E., Professor of Electrical Engineering, Summer Session of 1963 — declination effective June 17, 1963.
- BANKS, EDWIN M., Associate Professor of Animal Behavior (Animal Science) and of Biological Sciences (Division of General Studies) — resignation effective March 1, 1963.
- BEST, JAY B., Associate Professor of Physiology (Medicine) — resignation effective May 1, 1963.
- BIRCH, JOHN W., Fellow in Economics — declination effective June 16, 1963.
- BREMS, HANS J., Professor of Economics, Summer Session of 1963 — declination effective June 17, 1963.
- CARNIGHAN, ROBERT H., Fellow in Chemistry — resignation effective January 31, 1963.
- CLAUSEN, EDWARD M., Research Assistant in Ceramic Engineering — resignation effective February 16, 1963.
- COTE, MICHEL G., Instructor in Veterinary Research and in Veterinary Physiology and Pharmacology — resignation effective February 1, 1963.
- DAHLBERG, ANDREW V., Clinical Assistant in Obstetrics and Gynecology (Medicine) — resignation effective January 15, 1963.
- DODD, GEORGE G., Television Shares Management Teaching Fellow in Electrical Engineering — resignation effective February 1, 1963.
- EADIE, GEORGE R., Associate Professor of Mining Engineering — resignation effective March 1, 1963.
- FETVEIT, ROBERT O., Katherine L. Sharp Fellow in Library Science — resignation effective February 1, 1963.
- FIELD, MARK G., Associate Professor of Sociology — resignation effective March 1, 1963.
- FOX, ROBERT P., Instructor in English for Foreign Students, Summer Session of 1963 — declination effective June 17, 1963.
- FRAMPTON, GEORGE T., Professor of Law, Summer Session of 1963 — declination effective June 17, 1963.
- GEBUHR, CARL A., Clinical Instructor in Medicine (Medicine) — resignation effective January 1, 1963.
- GILLESPIE, ROBERT W., Fellow in Economics — declination effective June 16, 1963.
- GRAY, PETER V., Research Associate in Electrical Engineering — resignation effective January 5, 1963.
- HANDLER, JOEL F., Assistant Professor of Law, Summer Session of 1963 — declination effective June 17, 1963.

- HAYENGA, MARVIN L., Fellow in Agricultural Economics — resignation effective February 1, 1963.
- HECKMANN, IRVIN L., JR., Associate Professor of Management, Summer Session of 1963 — declination effective June 17, 1963.
- HELM, FREDERICK C., Assistant in Pharmacognosy and Pharmacology (Pharmacy) — resignation effective January 2, 1963.
- JEWETT, ANN E., Associate Professor of Education and of Physical Education for Women — resignation effective March 1, 1963.
- LANGHAAR, HENRY L., Professor of Theoretical and Applied Mechanics, Summer Session of 1963 — declination effective June 17, 1963.
- LEES, ROBERT B., Associate Professor of English, Summer Session of 1963 — declination effective June 17, 1963.
- MCGILL, JOHN N., Assistant Professor of Food Technology — resignation effective February 22, 1963.
- METZGER, MICHAEL M., Fellow in German — declination effective June 16, 1963.
- ORLAND, GEORGE H., Fellow in Mathematics — declination effective June 16, 1963.
- RANNEY, J. AUSTIN, Professor of Political Science — resignation effective March 1, 1963.
- SCHWARZLOSE, PAUL F., Professor of Electrical Engineering, Summer Session of 1963 — declination effective June 17, 1963.
- SMITH, RICHARD K., Instructor in History (Chicago Undergraduate Division) — resignation effective February 1, 1963.
- STAMBAUGH, ROBERT L., National Science Foundation Cooperative Fellow in Chemistry — resignation effective February 1, 1963.
- STARK, KENNETH, Assistant-Counseling in the Student Counseling Service (Provost's Office) — resignation effective February 1, 1963.
- TRIPPE, MARY M., Assistant in English — resignation effective February 1, 1963.
- WACASER, LYLE E., Assistant in Neurology and Neurological Surgery (Medicine) — termination effective January 1, 1963.
- WEBB, DON R., Instructor in Business Management — resignation effective February 15, 1963.
- WELKER, NEIL E., United States Public Health Service Fellow (Trainee) in Microbiology — resignation effective February 1, 1963.
- WIESINGER, FREDERICK P., Associate Professor of Civil Engineering (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.
- WINNIKOW, S., Assistant in Mechanical Engineering — declination effective September 16, 1962.

#### LEAVES OF ABSENCE

- CRONBACH, LEE J., Professor of Psychology, and of Education, in the Bureau of Educational Research — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a fellowship at the Center for Advanced Study in the Behavioral Sciences at Stanford, California.
- DEFRIES, JOHN C., Assistant Professor of Genetics (Dairy Science), in the College of Agriculture and in the Agricultural Experiment Station — leave of absence, without pay, for eleven months from October 1, 1963, for post-doctoral study and research at the University of California at Berkeley.
- RUNKEL, PHILIP J., Associate Professor of Education and Associate Director, Office of Educational Testing — leave of absence, without pay, for one month from June 14, 1963, so that he may accept an invitation to teach in the summer session at the University of Oregon.
- SAH, CHIH-TANG, Professor of Electrical Engineering and of Physics, in the College of Engineering and in the Engineering Experiment Station — leave of absence, without pay, from March 1 through August 31, 1963.
- TIERNAN, PATRICIA A., Instructor in Occupational Therapy, in the College of Medicine — leave of absence, without pay, from January 7 through August 31, 1963, so that she may accept a Fulbright Scholarship at the University of Denmark, Aarhus, Denmark.
- WARREN, CHARLES P., Instructor in Anthropology (Chicago Undergraduate Division) — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a National Science Foundation Fellowship for field work in Anthropology.



**CANCELLATIONS OF SABBATICAL LEAVES OF ABSENCE**

LATHROP, DONALD E., Associate Professor of Social Work — sabbatical leave of absence for the second semester of 1962-63 cancelled, without prejudice.

**STUDENT SENATE OFFICERS**

Last year officers of the Student Senate were invited to be guests of the Board of Trustees at luncheon at one of the meetings held in Urbana. President Clement announced that the Student Senate officers would appreciate the opportunity of meeting with the Board and asked the Board's wishes.

It was the consensus of the Trustees that the Student Senate group should be invited to the April meeting, and the Secretary was instructed to make the necessary arrangements.

**FUTURE MEETINGS OF THE BOARD**

Mr. Clement reminded the Board that the annual meeting will be held in Urbana on Wednesday, March 20, 1963, the date of this meeting having been changed from the second Tuesday by vote of the Board.

The April meeting will be held on Wednesday, April 17, 1963, and President Clement announced that this meeting will be held in Urbana.

The May meeting is scheduled for Wednesday, May 15, 1963.

Mr. Williamson suggested that consideration be given to changing the date of the June meeting from the third Wednesday to Thursday, June 6, 1963, the date preceding the Commencement Exercises for the colleges of the Medical Center. Action on this suggestion was deferred, but it was the consensus of the Trustees that both dates should be held in reserve for the time being.

**RECESS AND EXECUTIVE SESSION**

President Clement announced that an executive session was requested for consideration of recommendations relating to property acquisitions.

On motion of Mrs. Watkins, an executive session was ordered, to be held after luncheon, and the Board recessed.

**EXECUTIVE SESSION**

The Board reconvened at 2:00 p.m. The same members and officers of the Board and officers of the University were present as recorded at the beginning of these minutes with the exception of Mr. Ray Page who asked to be excused.

**PURCHASE OF PROPERTIES AT 51 EAST ARMORY AVENUE, 53 EAST ARMORY AVENUE, AND 1104-1106 SOUTH LOCUST STREET, CHAMPAIGN, ILLINOIS**

(1) The Committee on Buildings and Grounds has approved the design of an addition to the University Press Building to be constructed north of the present Press Building east of Locust Street extended and south of Armory Avenue, Champaign. Architectural work is being completed and construction is scheduled to start in the spring of 1963 with occupancy approximately fifteen months later.

The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the properties at 51 and 53 East Armory Avenue and 1104-1106 South Locust Street, these properties being owned by the same individual, at a total price of \$75,000 for all the parcels. The land is needed for the addition to the Press Building, further expansion of the Press functions, and other educational activities.

The properties consist of:

- 51 East Armory Avenue—a lot 48 feet by 120 feet improved with a two-story and basement frame house which has been converted into an apartment house of four units.
- 53 East Armory Avenue—a lot 48 feet by 120 feet improved with a two-story and basement frame house which has been converted into two apartments, and a three-car garage.
- 1104-1106 South Locust—a lot 40 feet by 140 feet improved with a one-story and basement duplex building, and two garages, one four-car and one one-car; access to this property is through the properties at 51 and 53 East Armory Avenue.

The Board of Trustees on December 19, 1962, authorized condemnation proceedings for acquisition of these properties. However, through subsequent negotiations, a price of \$75,000 has been agreed upon which is within the limit authorized by the Committee on Buildings and Grounds. It also appears to be the lowest price for which the properties can be acquired without condemnation proceedings and incurring the resulting costs. The owner will sell the properties at the price indicated on these conditions:

Possession of the property at 1104-1106 South Locust Street, and the land, including garages, south of the residential improvements at 51 East Armory Avenue and 53 East Armory Avenue, will be delivered to the University on or before April 30, 1963.

Possession of the remaining properties at 51 East Armory Avenue and 53 East Armory Avenue, will be delivered to the University on or before June 30, 1963.

The University will pay the taxes for the year 1963 payable in 1964. The owner will pay the taxes for the year 1962 payable in 1963 and will assume all expenses such as utilities and insurance, and will maintain the property in its existing condition as long as she remains in possession.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

I recommend authorization of this purchase on the conditions indicated; and I further recommend that the Board rescind its action of December 19, 1962, with respect to the acquisition of these properties.

On motion of Mr. Pogue, the purchase of these properties, at the price and on the conditions recommended, was authorized; and the Board voted to rescind its previous action of December 19, 1962, for the acquisition of these properties through condemnation.

#### ACQUISITION OF PROPERTY AT 402 EAST CHALMERS STREET, CHAMPAIGN, ILLINOIS

(2) The Committee on Buildings and Grounds has approved the design of a residence hall for single graduate students to be constructed in the block bounded by Daniel Street, Fifth Street, Chalmers Street, and Fourth Street, Champaign, Illinois. Architectural work is in process and construction is scheduled to start in the spring of 1964 with completion in time for occupancy in the fall of 1965.

Representatives of the University have been negotiating for the purchase of the property at 402 East Chalmers Street, included within the site. This property is a corner lot of 5,986 square feet (being 51.5 feet on Chalmers Street, by 116.24 feet on Fourth Street), improved with a three-story and basement frame dwelling converted into an eight-unit apartment house.

Based on appraisals received by the University, an offer of \$29,712 was made to the owner, who was advised that if he agreed to that amount, a recommendation would be made to the Board of Trustees for purchase of the property. The offer is not acceptable to the owner, whose asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees exercise its power to obtain the property by eminent domain and authorize condemnation proceedings.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution.

**Resolution Authorizing Condemnation of Property at  
402 East Chalmers Street, Champaign, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot Two (2) of a Replat of Lots Six (6), Seven (7), Eight (8), and Twelve (12) in Block Three (3) of a Replat of Lots Five (5), Six (6), Seven (7) and Eight (8) in Block One (1) and Lots Five (5), Six (6), Seven (7) and Eight (8) in Block Two (2) and Lots Five (5), Six (6), Seven (7) and Eight (8) in Block Three (3) of A. T. Hall's Addition to the City of Champaign and also described as Lot Two (2) of a Replat of Lots Six (6), Seven (7), Eight (8), and Twelve (12) in Block Three (3) of a Replat of Lots Five (5), Six (6), Seven (7) and Eight (8) in Block One (1) and Lots Five (5), Six (6), Seven (7) and Eight (8) in Block Two (2) and Lots One (1), Two (2), Three (3), Five (5), Six (6), Seven (7), and Eight (8), in Block Three (3) of A. T. Hall's Addition to the City of Champaign, and being a part of the Southeast Quarter (SE $\frac{1}{4}$ ) of the Northwest Quarter (NW $\frac{1}{4}$ ) of Section Eighteen (18), Township Nineteen North (T-19-N), Range Nine East (R-9-E) of the Third Principal Meridian, situated in the City of Champaign, County of Champaign and State of Illinois

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for a site for residence halls buildings for single graduate students and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a pro-

ceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

On motion of Mr. Johnston, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

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**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**March 20, 1963**



The annual meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Wednesday, March 20, 1963, beginning at 10:30 a.m., the date of this meeting having previously been changed by vote of the Board from the second Tuesday of March to March 20, 1963.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Irving Dilliard and Governor Otto Kerner were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Earl W. Porter, Assistant to the President, Mr. V. L. Kretschmer, Director of Auxiliary Services; and officers of the Board, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

**MINUTES APPROVED**

The Secretary presented the minutes of the meeting of the Board of Trustees on July 18, 1962, press proof copies of which have previously been sent to the Board.

On motion of Mr. Swain, these minutes were approved as printed on pages 1 to 48, inclusive.

**ELECTION OF TEMPORARY CHAIRMAN**

The Board took up the special order of business for the annual meeting; President Clement asked if the Board desired to elect a temporary chairman.

Mr. Johnston nominated Mrs. Frances B. Watkins; Mr. Swain seconded the nomination.

On motion of Mr. Hughes, the nominations were closed and the Secretary was instructed to cast the unanimous ballot of the Board for the election of Mrs. Watkins as President, *Pro Tempore*. The ballot was so cast and Mrs. Watkins took the chair.

**ELECTION OF OFFICERS****President of the Board**

Mrs. Watkins called for nominations for the office of President of the Board of Trustees.

Mr. Pogue nominated Mr. Howard W. Clement; Mr. Johnston seconded the nomination.

On motion of Mr. Johnston, the nominations were closed and the Secretary was instructed to cast the unanimous ballot of the Board for the election of Mr. Howard W. Clement as President, to serve until the next annual meeting of the Board of Trustees in March, 1964, or until his successor shall have been elected and qualified. The ballot was so cast, and he was declared elected as President of the Board.

Mr. Clement took the chair and expressed his appreciation of the confidence of the Board in re-electing him as its President. He also reviewed some of the significant matters of policy and decisions with which the Board was confronted during the preceding year and the actions taken.

**Secretary of the Board**

Mr. Swain nominated Mr. A. J. Janata; Mr. Johnston seconded the nomination.

On motion of Mr. Johnston, the nominations were closed and Mr. Janata was elected Secretary of the Board of Trustees to serve until the next annual meeting in March, 1964, or until his successor shall have been elected and qualified.

**Comptroller of the Board**

Mr. Hughes nominated Mr. H. O. Farber as Comptroller; Mr. Pogue seconded the nomination.

On motion of Mr. Pogue, the nominations were closed and the Secretary was instructed to cast the unanimous ballot of the Board for the election of Mr. Farber as Comptroller of the Board of Trustees, to serve until the next annual meeting in March, 1964, or until his successor shall have been elected and qualified. The ballot was so cast and Mr. Farber was declared elected as Comptroller of the Board.

#### **Executive Committee**

Mr. Swain nominated Mr. Wayne A. Johnston and Mrs. Frances B. Watkins to serve as members of the Executive Committee, with the President of the Board as Chairman, for one year; Mr. Hughes seconded the nominations.

On motion of Mr. Hughes, the nominations were closed and the Secretary was instructed to cast the unanimous ballot of the Board for Mr. Johnston and Mrs. Watkins as members of the Executive Committee of the Board of Trustees, to serve until the next annual meeting in March, 1964, or until their successors shall have been elected. The ballot was so cast and Mr. Johnston and Mrs. Watkins were declared elected as members of the Executive Committee.

#### **Treasurer of the Board**

Mr. Swain nominated Mr. Robert R. Manchester, a Vice-President of the First National Bank of Chicago, as Treasurer of the Board; Mr. Hughes seconded the nomination.

On motion of Mr. Hughes, the nominations were closed and the Secretary was instructed to cast the unanimous ballot of the Board for the election of Mr. Manchester as Treasurer of the Board of Trustees for a two-year term, to serve until the second Tuesday in March, 1965 (March 9, 1965), or until his successor shall have been elected and qualified, in accordance with the statutory provision of a biennial term for Treasurer. The ballot was so cast and Mr. Manchester was declared elected as Treasurer.

#### **TRIBUTE TO MR. C. W. WELDON**

On motion of Mr. Swain, the Board recorded its appreciation of the services of Mr. C. W. Weldon as Treasurer during the past twelve years and the Secretary was instructed to send him an appropriate message on behalf of the Board.

#### **TREASURER'S BOND**

On motion of Mr. Swain, the amount of the Treasurer's Bond was fixed at \$6,000,000.

On motion of Mr. Swain, seconded by Mr. Hughes, the Finance Committee was instructed to see that the Treasurer presents a satisfactory bond in the amount specified above and to report the same to the Board.

#### **AUTHORITY TO RECEIVE MONEYS**

Mr. Johnston offered the following resolution and moved its adoption:

*Resolved*, that the Treasurer of the Board of Trustees of the University of Illinois be, and he hereby is, authorized to receive and receipt for all moneys, and to endorse all orders, drafts, and checks due and payable to the Board of Trustees or to the University of Illinois, and especially all drafts drawn by the Treasurer of the United States payable to the Board of Trustees or the University of Illinois.

This resolution was adopted.

#### **DELEGATION OF SIGNATURES**

Mrs. Watkins offered the following resolution:

*Resolved*, that the President and the Secretary of the Board of Trustees of the University of Illinois are authorized to delegate the signing of their names as President and Secretary, respectively, to vouchers to be presented to the Auditor



of Public Accounts, and to warrants drawn on the Treasurer of the University, under the following conditions.

The President of the Board of Trustees is authorized to delegate to L. M. Dahlenburg and to W. D. Green in Urbana, and to J. E. Osborn, to W. E. Cowart, and to H. O. Albers in Chicago, and to Edward F. Lis and to Helen Culbertson in Springfield, authority to sign his name as President of the Board of Trustees to vouchers against the Auditor of Public Accounts; and to C. C. DeLong, to R. W. Zimmer, and to R. F. Wood in Urbana, and to J. E. Osborn, to W. E. Cowart, and to H. O. Albers in Chicago, authority to sign his name to warrants on the University Treasurer covering vouchers approved in accordance with regulations approved by the Board.

The Secretary of the Board of Trustees is authorized to delegate to Maude Archdeacon, to George H. Bargh, to Earl W. Porter, and to Everett G. Smith in Urbana, and to G. R. Moon, to Velma M. Davis, to Helen Wyle, to Margaret Mayer, and to Ann Feryanchik in Chicago, authority to sign his name as Secretary of the Board of Trustees to vouchers against the Auditor of Public Accounts and to warrants on the University Treasurer, covering vouchers approved in accordance with regulations of the Board. The Secretary of the Board of Trustees is authorized to delegate to Addalein C. Hawk and to Lean C. Ryan in Springfield, authority to sign his name as Secretary of the Board of Trustees on vouchers against the Auditor of Public Accounts approved in accordance with the regulations of the Board. These authorizations are to continue in effect until the Auditor of Public Accounts has been supplied with specimen signatures of succeeding officers of this Board. And be it further

*Resolved*, that the First National Bank of Chicago as a designated depository of R. R. Manchester, Treasurer of this corporation, be and it (including its correspondent banks) is hereby requested, authorized, and directed to honor checks, drafts, or other orders for the payment of money drawn in this corporation's name, including those drawn to the individual order of any person or persons whose name or names appear thereon as signer or signers thereof, when bearing or purporting to bear the facsimile signatures of the two following: Howard W. Clement, President, and A. J. Janata, Secretary; and the First National Bank of Chicago (including its correspondent banks) shall be entitled to honor and to charge this cooperation for all such checks, drafts, or other orders, regardless of by whom or by what means the facsimile signature or signatures thereon may have been affixed thereto, if such facsimile signature or signatures resemble the facsimile specimens duly certified to or filed with the First National Bank of Chicago by the Secretary or other officer of this corporation. And be it further

*Resolved*, that the Auditor of Public Accounts is hereby authorized and directed to honor vouchers bearing facsimile signatures of the President and Secretary of the Board of Trustees of the University of Illinois if such facsimile signatures resemble the facsimile specimens duly certified to or filed with the Auditor of Public Accounts by the Secretary.

This resolution was adopted.

#### BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

#### PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

#### AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
ROBERT HENRY ASBURY	St. Louis, Missouri	Missouri
CLETUS FRANK CHIZEK	South Bend, Indiana	Indiana
NATHAN HOWARD RODBART	New York, New York	New York

I concur.

On motion of Mr. Johnston, these certificates were awarded.

#### HEADSHIP OF DEPARTMENT OF ENTOMOLOGY

(2) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor Clyde W. Kearns as Professor of Entomology on indefinite tenure and Head of the Department of Entomology beginning September 1, 1963, to replace Professor Leigh E. Chadwick (currently on sabbatical leave of absence) who has asked to be relieved of his administrative responsibilities to devote full time to teaching and research. The salary of the position will be determined when the budget for 1963-64 is submitted to the Board of Trustees for approval.

This recommendation is submitted after consultation with all members of the Department of Entomology and is supported by the Executive Committee of the School of Life Sciences, the Dean of the Graduate College, and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Hughes, this appointment was approved.

#### APPOINTMENTS TO THE FACULTY

(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. FERRON L. ANDERSEN, Assistant Professor of Veterinary Parasitology, in the Department of Veterinary Pathology and Hygiene, and Associate Staff in the Center for Zoonoses Research, beginning July 1, 1963, at an annual salary of \$8,400 (BY).
2. RICHARD KOPPE, Associate Professor of Art, in the College of Architecture and Art, Chicago Undergraduate Division, beginning September 1, 1963, at an annual salary of \$9,800 (A).
3. WILLIAM J. MORESSI, Assistant Professor of Physiology, in the College of Medicine, beginning July 1, 1963, at an annual salary of \$9,600 (DY).
4. WILLIAM A. PETERSON, Assistant Professor of Accountancy, beginning September 1, 1963, at an annual salary of \$8,300 (B).
5. THORALF A. SKOLEM, Visiting Professor of Mathematics, for one and one-half months from April 15, 1963, at a salary of \$3,000 (G).
6. ROLLAND E. STEVENS, Professor of Library Science, beginning September 1, 1963, at an annual salary of \$10,700 (A).
7. ANDREW THOMSON, Assistant Professor of Medicine, beginning January 1, 1963, without salary (DY).
8. MOYLE S. WILLIAMS, Assistant Director of Cooperative Extension Service with rank of Professor, in Agricultural Administration and Cooperative Extension Service, beginning April 1, 1963, at an annual salary of \$14,500 (DY).

On motion of Mr. Swain, these appointments were confirmed.

#### APPOINTMENTS TO THE BOARD OF DIRECTORS OF THE ATHLETIC ASSOCIATION

(4) Submitted herewith are nominations for appointments to the Board of Directors of the University of Illinois Athletic Association, to become effective as of today and to continue until the next annual meeting of the Board of Trustees of the University of Illinois in 1964, or until the successors of these Directors have been appointed.

##### Faculty

HAROLD W. HANNAH, Professor of Agricultural Law, Department of Agricultural Economics, and Professor of Veterinary Medical Law (reappointment; has served since 1960)

- PAUL M. VAN ARSDELL, Professor of Finance and Head of the Department (reappointment; has served since 1961)  
GEORGE W. WHITE, Professor of Geology and Head of the Department (reappointment; has served since 1962)  
LESLIE A. BRYAN, Professor of Management and Director of the Institute of Aviation (reappointment; Director Bryan is also the University of Illinois Faculty Representative in the Western Intercollegiate Conference and his appointment as a faculty representative on the Board of Directors of the Athletic Association is an ex officio assignment)

#### Alumni

- STANLEY L. BODMAN, Class of 1931, 175 West Jackson Boulevard, Chicago (reappointment; has served since March, 1960)  
GEORGE R. CATLETT, Class of 1939, partner in the firm of Arthur Andersen and Company, Certified Public Accountants, 120 South LaSalle Street, Chicago 3 (reappointment; has served since March, 1961)  
CHARLES C. DADANT, Class of 1941, member of the firm of Dadant and Sons, Inc., Hamilton

On motion of Mr. Pogue, these appointments were approved.

#### SABBATICAL LEAVES OF ABSENCE, 1963-64

(5) I recommend that the following members of the staff be given sabbatical leaves of absence during the academic year 1963-64 in accordance with the provisions of the University of Illinois Statutes and on the terms and for the periods indicated.

In accordance with the established procedure, the programs of research, study and travel for which leaves are requested have been examined by the University Research Board, which advises the President in such matters, and by the Executive Vice-President and Provost, who concurs.

#### College of Agriculture

##### *Department of Agricultural Economics*

- LESLIE FERRIS STICE, Professor of Grain Marketing, full year beginning July 1, 1963, one-half pay; or six months beginning February 1, 1964, full pay; full-year leave contingent upon receipt of supplementary financial aid.  
VINCENT IRVING WEST, Professor of Agricultural Economics, full year beginning September 1, 1963, one-half pay; or six months beginning February 1, 1964, full pay; full-year leave contingent upon receipt of supplementary financial aid.

##### *Department of Agricultural Engineering*

- EDWIN LEROY HANSEN, Professor of Agricultural Engineering, six months beginning July 16, 1963, full pay.

##### *Department of Agronomy*

- WALTER CASPAR JACOB, Professor of Biometry and Data Processing, six months beginning September 1, 1963, full pay.  
SIGURD WALTER MELSTED, Professor of Soil Chemistry, six months beginning March 1, 1964, full pay (six months beginning September 1, 1963, without pay); leave contingent upon receipt of supplementary financial aid.

##### *Department of Animal Science*

- SORAB PIROZSHAH MISTRY, Associate Professor of Biochemistry, full year beginning September 1, 1963, one-half pay.

##### *Department of Dairy Science*

- GLENN WADE SALISBURY, Professor of Dairy Science and Head of the Department, six months beginning September 1, 1963, full pay.

##### *Dixon Springs Experiment Station*

- HUBERT ARTHUR CATE, Associate Professor of Agricultural Extension, six months beginning June 1, 1963, full pay.

##### *Agricultural Publications (Agricultural Administration)*

- RICHARD GORDON MOORES, Assistant Editor with rank of Assistant Professor, six months beginning September 1, 1963, full pay.

**College of Commerce and Business Administration***Department of Accountancy*

EDWIN JOE DEMARIS, Associate Professor of Accountancy, second semester, full pay.

*Bureau of Economic and Business Research*

JOSEPH DEXTER PHILLIPS, Research Professor, six months beginning February 15, 1964, full pay.

*Department of Economics*

JOHN FRED BELL, Professor of Economics and Chairman of the Department, second semester, full pay.

DONALD LORENZO KEMMERER, Professor of Economics, second semester 1963-64, and first semester 1964-65, one-half pay; or second semester 1963-64, full pay.

WALTER WOLCOTT MCMAHON, Associate Professor of Economics, academic year, one-half pay.

PAUL J. WELLS, Associate Professor of Economics, academic year, one-half pay.

*Department of Marketing*

RICHARD DONALD MILLICAN, Associate Professor of Marketing, first semester, full pay.

**College of Education**

M. DALE BAUGHMAN, Associate Professor of Education, University Council on Teacher Education, six months beginning August 1, 1963, full pay.

HARRY SAMUEL BROUDY, Professor of Education, second semester, full pay.

DAVID MUNRO JACKSON, Professor of Education and Principal of University High School, for the period September 15, 1963, to June 15, 1964, one-half pay.

PHILIP J. RUNKEL, Associate Professor of Education and Associate Director of the Office of Educational Testing, six months beginning August 14, 1963, full pay.

**College of Engineering***Department of Electrical Engineering*

DON FRANKLIN HOLSHOUSE, Associate Professor of Electrical Engineering, six months beginning February 10, 1964, full pay; alternate period, six months from August 10, 1964.

HEINZ VON FOERSTER, Professor of Electrical Engineering and of Biophysics, second semester, full pay.

*Department of Mechanical and Industrial Engineering*

EUGENE IVAN RADZIMOVSKY, Professor of Mechanical and Industrial Engineering, second semester, full pay; leave contingent upon receipt of supplementary financial aid.

*Department of Mining, Metallurgy, and Petroleum Engineering*

WALTER HERBERT BRUCKNER, Research Professor of Metallurgical Engineering, second semester, full pay.

*Department of Physics*

JAMES SIRCOM ALLEN, Professor of Physics, second semester, one-half pay.

DANIEL ALPERT, Professor of Physics and Director of the Coordinated Science Laboratory, six months beginning February 15, 1964, full pay.

GIOVANNI DE PASQUALL, Research Assistant Professor of Physics, six months beginning February 1, 1964, full pay.

JOHN DAVID JACKSON, Professor of Physics, academic year, one-half pay.

DAVID GEOFFREY RAVENHALL, Associate Professor of Physics, academic year, one-half pay.

RALPH O. SIMMONS, Associate Professor of Physics, second semester, full pay.

HENRY WILLIAMS WYLD, JR., Associate Professor of Physics, academic year, one-half pay.

*Department of Theoretical and Applied Mechanics*

MARVIN STIPPES, Professor of Theoretical and Applied Mechanics, second semester, full pay.

**College of Fine and Applied Arts***Department of Architecture*

GABRIEL GUEVREKIAN, Professor of Architecture, first semester, full pay.

RALPH MARLOWE LINE, Associate Professor of Architecture, second semester, full pay.

A. RICHARD WILLIAMS, Professor of Architecture, second semester, full pay.

*Department of Art*

LEE ROY CHESNEY, JR., Professor of Art, academic year, one-half pay.

JOHN WILLIAM KENNEDY, Professor of Art, first semester, full pay.

JOHN WALLACE RAUSHENBERGER, Associate Professor of Art, first semester, full pay.

JAMES R. SHIPLEY, Professor of Art and Head of the Department, first semester, full pay.

MARK ANDERSON SPRAGUE, Associate Professor of Art, second semester, full pay.

*Bureau of Community Planning*

VICTOR A. HYDE, Professor of Community Planning, six months beginning September 1, 1963, full pay.

*School of Music*

HAROLD AUGUSTUS DECKER, Professor of Music, second semester, full pay.

KENNETH LOUIS GABURO, Assistant Professor of Music, academic year, one-half pay.

GEORGE HOWARD HUNTER, Associate Professor of Music, academic year, one-half pay.

DEAN WALLACE SANDERS, Associate Professor of Music, academic year, one-half pay.

**Graduate College***Digital Computer Laboratory*

LYDD DUDLEY FOSDICK, Research Associate Professor of Physics, academic year, one-half pay, or first semester, full pay; full-year leave contingent upon receipt of supplementary financial aid.

DONALD BRUCE GILLIES, Research Associate Professor of Applied Mathematics, first semester, full pay; second semester, without pay.

**College of Journalism and Communications**

GEORGE GERBNER, Associate Professor of Journalism and Research Associate Professor in the Institute of Communications Research, six months, beginning February 1, 1964, full pay.

CHARLES EGERTON OSGOOD, Professor of Psychology, College of Liberal Arts and Sciences, and Research Professor and Director of the Institute of Communications Research, full year beginning September 1, 1963, one-half pay.

**Institute of Labor and Industrial Relations**

PHILLIPS L. GARMAN, Professor in the Institute of Labor and Industrial Relations and in the Division of University Extension, six months beginning September 1, 1963, full pay.

**College of Liberal Arts and Sciences***Department of Anthropology*

OSCAR LEWIS, Professor of Anthropology, academic year, one-half pay.

*Department of Botany*

LAWRENCE CARROLL BLISS, Associate Professor of Botany, academic year, one-half pay.

*Department of Classics*

JOHN LEWIS HELLER, Professor of Classics and Head of the Department, second semester, full pay.

*Division of General Studies*

LAWRENCE JOHN McCAFFREY, Associate Professor of History, first semester, one-half pay; leave contingent upon receipt of supplementary financial aid.

*Department of English*

SANFORD GOLDING, Assistant Professor of English, first semester, full pay.

MARVIN THEODORE HERRICK, Professor of English, second semester, full pay.

FRANCIS EDWARD HODGINS, JR., Assistant Professor of English, first semester, full pay.

WILLIAM HOWE RUECKERT, Assistant Professor of English, first semester, full pay.

ARTHUR LINCOLN SCOTT, Associate Professor of English, academic year, one-half pay.

*Department of French*

STANLEY EVERTS GRAY, Assistant Professor of French, second semester, full pay.

*Department of Geography*

ALFRED WHALEY BOOTH, Professor of Geography, first semester, full pay.

FRED WILLIAM FOSTER, Professor of Geography, academic year, one-half pay; leave contingent upon receipt of supplementary financial aid.

*Department of Geology*

ALBERT VICTOR CAROZZI, Professor of Geology, second semester, full pay.

CARLETON ABRAMSON CHAPMAN, Professor of Geology, first semester, full pay.

*Department of Mathematics*

MAHLON MARSH DAY, Professor of Mathematics and Head of the Department, second semester, full pay.

PIERCE WADDELL KETCHUM, Professor of Mathematics, first semester, full pay.

ROBERT ARTHUR WIJSMAN, Associate Professor of Mathematics, second semester, full pay.

*Department of Philosophy*

D. W. GOTSHALK, Professor of Philosophy, academic year, one-half pay.

LEONARD LINSKY, Associate Professor of Philosophy, second semester, full pay.

*Department of Physiology and Biophysics*

C. LADD PROSSER, Professor of Physiology and Biophysics and Head of the Department, academic year, one-half pay, or second semester, one-half pay; leave contingent upon receipt of supplementary financial aid.

*Department of Political Science*

FRANCIS GRAHAM WILSON, Professor of Political Science, second semester, one-half pay.

*Department of Psychology*

JACK ASHTON ADAMS, Professor of Psychology, academic year, one-half pay.

HAROLD WESLEY HAKE, Professor of Psychology, second semester, full pay.

LAWRENCE I. O'KELLY, Professor of Psychology, academic year, one-half pay.

*Department of Spanish, Italian, and Portuguese*

JOSEPH HEATLY DULLES ALLEN, JR., Professor of Spanish and Portuguese, second semester, full pay, or second semester 1963-64 and first semester 1964-65, one-half pay; the latter contingent upon receipt of supplementary financial aid.

JOSEPH S. FLORES, Associate Professor of Spanish, Italian, and Portuguese, second semester, full pay.

WILLIAM HUTCHINSON SHOEMAKER, Professor of Spanish, Italian, and Portuguese and Head of the Department, first semester, full pay.

*Department of Speech and Theatre*

JOSEPH W. SCOTT, Professor of Speech, Supervisor of Dramatic Productions, and Director of University Theatre, six months beginning March 1, 1964, full pay.

KARL RICHARDS WALLACE, Professor of Speech and Theatre and Head of the Department, academic year, one-half pay, or second semester, full pay; full-year leave contingent upon receipt of supplementary financial aid.

*Department of Zoology*

ROBERT SMITH BADER, Associate Professor of Zoology, first semester, full pay.

**College of Physical Education**

AURELIO EUGENE FLORIO, Professor of Safety Education, in the Department of Health and Safety Education, second semester, full pay.

HOWARD EUGENE WEAVER, Associate Professor of Recreation and Municipal Park Administration, first semester, full pay.

OLIVE G. YOUNG, Associate Professor of Physical Education for Women, academic year, one-half pay.

**Jane Addams Graduate School of Social Work**

DAVID E. TANENBAUM, Professor of Social Work, full year beginning September 1, 1963, one-half pay.

**Office of the Executive Vice-President and Provost**

MORTON WAGMAN, Assistant Professor of Psychology and Clinical Counselor in the Student Counseling Service, second semester, full pay.

**University Press**

DONALD D. JACKSON, Editor with rank of Professor, six months beginning March 1, 1964, full pay.

**Chicago Undergraduate Division**

LOUIS CHANDLER, Associate Professor of Physics, academic year, one-half pay.

MARGARET CHANDLER, Associate Professor of Sociology, academic year, one-half pay.

MILDRED I. FINNEY, Assistant Professor of Geography in the Social Sciences, second semester, full pay.

CLARENCE HENRY GILLET, Professor of Management, first semester, full pay.

ALLEN H. HOWARD, Associate Professor of Psychology in the Social Sciences, academic year, one-half pay.

SARAH MADONNA KABBES, Associate Professor of Accountancy, second semester, full pay.

PETER P. KLASSEN, Professor of Sociology, second semester, full pay.

MARIE E. LEIN, Associate Professor of French in the Humanities, second semester, full pay.

SONIA MILLER, Assistant Professor of English, second semester, full pay.

KENNETH H. MURPHY, Assistant Professor of Mathematics, second semester, full pay.

SAMUEL A. WEISS, Associate Professor of English, academic year, one-half pay.

FREDERICK P. WIESINGER, Associate Professor of Civil Engineering, academic year, one-half pay.

**Chicago Medical Center**

IRA M. ROSENTHAL, Associate Professor of Pediatrics, six months beginning September 15, 1963, full pay.

On motion of Mrs. Watkins, these leaves were granted as recommended.

**GRADUATE PROGRAM IN NURSING**

(6) The Medical Center Senate and the Graduate College recommend authorization of a graduate program leading to the degree of Master of Science in Nursing (M.S.N.) to be inaugurated at the beginning of the academic year 1963-64. The program will cover five quarters of study and will offer advanced preparation for supervisors and teachers in medical-surgical nursing, pediatrics nursing, and psychiatric nursing. Required courses will include advanced clinical nursing, related social and natural sciences, instruction in management of nursing services, and research. Students will be encouraged to elect courses in other areas of individual need or interest.

### Admission Requirements

Completion of a program in nursing substantially equivalent to the baccalaureate degree program of the College of Nursing, University of Illinois.  
Minimum scholastic average of 3.5<sup>1</sup> in undergraduate work.

A license to practice as a professional nurse in at least one state or other political jurisdiction.

Passing, with satisfactory grades, examinations specified by the Graduate College and the College of Nursing.

Potential for professional practice in the elected field of specialization.

### Graduation Requirements

Completion of the approved curriculum.

Satisfactory completion of thesis on subject approved by professor in charge of major work and oral examination upon the thesis.

Satisfaction of the requirements of the Graduate College for units and grades, or minimum grade-point average as required by the Graduate College.

Study in residence for the equivalent of at least three quarters.

Completion of all requirements for the degree within five calendar years after first registration in Graduate College.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I concur, subject to further action by the Board of Higher Education.

Submitted herewith is a supporting statement from the College of Nursing on the need for this program, the resources of the University of Illinois for offering the same, and the details of the proposed curriculum, a copy of which is being filed with the Secretary of the Board for record.

On motion of Mrs. Watkins, this recommendation was approved.

### GRADUATE PROGRAM IN HOME ECONOMICS

(7) The Urbana-Champaign Senate has approved a new graduate program option in family and consumption economics leading to the degree of Master of Science in Home Economics.

Submitted herewith are supporting memoranda giving the details of this option, a copy of which is being filed with the Secretary of the Board for record.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I recommend approval.

On motion of Mr. Swain, this recommendation was approved.

### CHANGE IN GRADING SYSTEM

(8) At its meeting on December 19, 1962, the Board of Trustees approved a recommendation from the University Senates for a change in the grading system whereby the grade of "DR" (the equivalent of a grade of "E," indicating failure), formerly recorded when a student has been dropped from a course for dishonesty in an examination or other required work, shall be discontinued and a grade of "E" will be recorded. Following approval of this recommendation, the question was asked if the fact that a grade of "E" is being reported for academic irregularity would be entered in the student's record, and the Board was informed that a report in answer to the question would be made at a subsequent meeting.

I now report that the change in practice recommended by the Senates does not include the recording of information as to the reason for which the grade of "E" is imposed as a consequence of academic irregularity. No such notation or explanation has been recorded in the case of the grade "DR."

This report was received for record.

### UNIVERSITY OF ILLINOIS CENTENNIAL

(9) The University of Illinois was established by an Act of the General Assembly of Illinois which was approved by Governor Richard J. Oglesby on February 28,

<sup>1</sup> An average of 3.5 is the numerical equivalent of an average half way between B and C in the University's grading system of A, B, C, D, and E, with A the highest grade and E indicating failure.



1867. The first meeting of the first Board of Trustees was held in Springfield on March 12, 1867. The University opened on March 2, 1868. The name of the Illinois Industrial University was changed to "The University of Illinois" in 1885.

In order that the University may undertake the formulation of plans for the observance of the Centennial of its founding, I recommend that the Board of Trustees at this time officially designate the period February 28, 1967, to March 2, 1968, as the Centennial Year and that the President be authorized to make appropriate and suitable plans for its observance.

I further recommend that the class which will enroll in the fall of 1963 be designated as the "Centennial Class of the University of Illinois."

On motion of Mr. Swain, this recommendation was approved.

#### AUTHORITY TO EXECUTE CERTAIN CONTRACTS

(10) The General Rules Concerning University Organization and Procedure provide that contracts involving payments by the University in one fiscal year in excess of \$2,500 shall be specifically authorized by the Board of Trustees, except that when an emergency exists the President is authorized to act, but must report his action to the Board of Trustees.

In the operation of the Assembly Hall, it will be necessary to enter into contracts for concerts, entertainments, and productions to be offered in the Assembly Hall. Expenditures under such contracts will be from funds received through sale of tickets or from other income of the Assembly Hall. There will be no commitment of the general University funds involved. In most cases, the fee will be the standard fee charged for the production.

Problems of scheduling and negotiation for such events and timing make it difficult to secure advance approval of the Board of Trustees on such contracts. It is therefore recommended that the Vice-President and Comptroller and the Secretary of the Board of Trustees be authorized to execute such contracts when approved by the President of the University.

I concur.

On motion of Mr. Hughes, authority was given as requested.

#### ATHLETIC ASSOCIATION ASSEMBLY HALL FURNITURE

(11) The Board of Directors of the Athletic Association has approved an assignment of \$5,790 for the purchase of equipment for the Athletic Association offices to be located in the Assembly Hall.

Confirmation of this appropriation is requested.

On motion of Mr. Pogue, this assignment of funds was confirmed.

#### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(12) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

##### *Urbana-Champaign*

1. College of Engineering	
Department of Civil Engineering, equipment to match a \$25,000 grant from the National Science Foundation.....	\$ 35 100
Departments of Mechanical and Industrial Engineering and Aeronautical and Astronautical Engineering, to match a \$25,000 grant from the National Science Foundation for construction of a low-density, high-enthalpy, hypervelocity wind tunnel.....	35 000
2. College of Veterinary Medicine	
Department of Veterinary Pathology and Hygiene, building for additional animal holding facilities.....	2 850
3. Physical Plant	
Building for physiological and nutritional research of sheep for the Department of Animal Science.....	23 265
Buildings and equipment for a milking parlor and a milk-handling room for the Department of Dairy Science.....	22 500
<i>Total</i> .....	\$118 715

I concur.

On motion of Mr. Swain, these recommendations were made by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

#### CONTRACT AND APPROPRIATION FOR REROOFING ICE SKATING RINK

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$44,894 to Petry Roofing and Sheet Metal Company, Champaign, for replacing the present wood sheathing and roofing with new metal deck, insulation, and roof surfacing and incidental roof work at the Ice Skating Rink.

An assignment of \$49,750 from the General Reserve is requested for this improvement. This figure includes, in addition to the contract price, architectural and engineering services, superintendence, insurance, and other administrative costs.

I concur.

On motion of Mr. Johnston, this contract was awarded; and on motion of Mr. Williamson, the requested assignment of funds was approved. These actions were taken by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

#### CONTRACT FOR WIDENING AND REALIGNING OF BURRILL AVENUE BRIDGE

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$58,921.32 to Whetzel Construction Company, Champaign, the lowest bidder, for the reconstruction, including widening and realignment, of the Burrill Avenue Bridge over the Boneyard.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A proposed budget indicating the sources of funds is submitted herewith and a copy is filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

#### CONTRACTS FOR EXTENSION OF UTILITIES DISTRIBUTION SYSTEM

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for an extension of the utilities distribution system to provide for diversion of steam conduit and electrical manholes and duct runs to service the Materials Research Laboratory, and steam conduits to service the new buildings for the Colleges of Commerce and Business Administration and Education, the award in each case being to the lowest bidder.

Construction of duct runs and manholes for diversion of utilities for Materials Research Laboratory (Division "QQ") — Cross Construction, Inc., Urbana .....	\$48 302
Steam conduit for Commerce and Education Buildings (Division "KK") — William Adams Engineers, Inc., Chicago.....	35 390
Steam conduit diversion for Materials Research Laboratory (Division "RR") — The J. A. Julian Company, Chicago.....	56 995

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Hughes, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

**CONTRACT FOR RESETTING OF STONEMWORK ON ILLINOIS  
NEUROPSYCHIATRIC INSTITUTE BUILDING**

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$10,700 to Oman and Giden, Inc., Northfield, Illinois, the lowest bidder, for resetting of stonework along the ambulance drive on the Illinois Neuropsychiatric Institute building.

The work will include removing and resetting an extensive area of Indiana limestone used as facing along the ambulance drive which has been loosened by the weather, creating a hazardous condition.

Funds are available in the Physical Plant maintenance budget.

I concur.

On motion of Mr. Williamson, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

**CONTRACTS FOR REMODELING VARIOUS AREAS IN  
ILLINOIS NEUROPSYCHIATRIC INSTITUTE**

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for miscellaneous remodeling in the Illinois Neuropsychiatric Institute, the award in each case being to the lowest bidder.

General — Ashland Construction Company, Chicago.....	\$47 005
Base bid .....	\$30 956
Additive alternates	
Service charge for supervision of other contracts assigned to the general contractor.....	1 000
Remodeling Rooms 281 and 282.....	501
Remodeling Rooms 467 and 468.....	3 344
Electrical revisions on fourth floor.....	857
Remodeling Rooms 460, 460A, and 460B.....	3 378
Remodeling second floor of Neurology area.....	6 969
Plumbing — Ashland Plumbing and Heating Company, Chicago.....	9 776
Base bid .....	\$ 5 510
Additive alternates	
Rooms 460, 460A, and 460B.....	3 850
Second floor Neurology area.....	416
Electrical — Midwest Interstate Electrical Construction Company, Chicago.....	21 163
Base bid .....	\$14 711
Additive alternates	
Rooms 281 and 282.....	118
Rooms 467 and 468.....	1 180
Electrical revisions, fourth floor.....	1 378
Rooms 460, 460A, and 460B.....	587
Second floor Neurology area.....	3 189
<b>Total Contracts .....</b>	<b>\$77 944</b>

The work will include general remodeling in the patient care areas on the second, third, fourth, and fifth floors, including improvements in lighting, relocation of nurses' stations, and rehabilitation of toilet and bath facilities to improve patient care.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$77,944; and that an agreement be entered into with Ashland Construction Company for the assignment of these other contracts for \$1,000 which amount is included in the contract price, being the amount bid by that Company

for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of all bids received is submitted herewith.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

#### ADDITION TO CONTRACT FOR POWER SUPPLIES FOR MEDICAL CENTER CAMPUS

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$6,288 in a contract with C & H Electric Company, Chicago, awarded by the Board on October 17, 1962, for new power supplies for buildings on the Medical Center campus.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

#### ADDITION TO CONTRACT FOR ARCHITECTURAL SERVICES

(19) The firm of Graham, Anderson, Probst, and White, Inc., was employed for complete architectural services for the Electrical Engineering Building addition.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the work covered by that contract be expanded to include professional services for preparation of construction documents, obtaining bids, and general supervision of the contractors' work to complete the air conditioning system for the original building, at an estimated cost of \$5,000.

I concur.

On motion of Mr. Swain, extension of this contract was authorized.

#### PURCHASES

(20) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

#### *Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
175 rolls 16 mm. microfilm including processing; 3 by 5 acetate microfilm jackets to accommodate 17,500 case histories; mounting, indexing, labeling, and sorting of this material	Research and Educational Hospitals, Chicago	Great Lakes Microfilm Co., Chicago	\$ 2 957 50 delivered
Approximately 6,215 gallons of x-ray solutions and maintenance service for manually operated x-ray film processing units for the period beginning July 1, 1963, through June 30, 1964, subject to renewal for one year by mutual agreement	Medical Center, Various Departments	Illinois Solution Service, Chicago	2 250 00 delivered
(Note: This purchase will be made from both Appropriated Funds, \$2,250.00, and Institutional Funds, \$1,760.15, for a total of \$4,010.15.)			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
University of Illinois Chicago Undergraduate Division publications for 1963-64 consisting of: Group A—6,000 student handbooks, 96 pages Group B—7,000 Profile, 24 pages Group C—20,000 catalogs, approximately 168 pages plus six-page tip insert	Publications, Chicago Undergraduate Division	Interstate Printers & Publishers, Danville (Groups A and C) The Dartnell Press, Chicago (Group B)	\$ 8 543 50 delivered 687 50 delivered (9 231 00)
Rental of caps, gowns, and hoods for graduating students and faculty members for the June 15, 1963, commencement; the estimated number of costumes required for the Urbana and Chicago campuses are: 1,733 bachelors 337 masters 267 doctors (Ph.D.) 195 doctors (M.D.) 95 doctors (D.D.S.)	Commencement	Collegiate Cap & Gown Co., Champaign, for Urbana E. R. Moore Co., Chicago, for Chicago	6 081 25 f.o.b. delivered 3 192 50 f.o.b. delivered (9 273 75)
One oscillator, backward wave sweeping, 8.2 to 12.4 mc. power output 10 mw	Electrical Engineering	Alfred Electronics, Palo Alto, Calif.	2 910 00 f.o.b. delivered
One piano, grand, 7 ft. long, ebony finish, to be delivered to Smith Music Hall	Music	Emerson Piano House, Decatur	3 295 00 f.o.b. delivered
One computer, analog, demonstrator with new equipment warranty, including prewired console expandable to 24 amplifier-integrator system, reference system, power supply, 20 ten-turn pots wirebound, two amplifier modules, integrator network, six dual stabilizers, two multipliers, one drive unit, and three reset units	Nuclear Engineering	Applied Dynamics, Inc., c/o Chandler Associates, Detroit, Mich.	5 657 85 f.o.b. delivered
One plant growth laboratory, 78 in. long by 34½ in. deep by 78 in. high, with controlled heating, cooling, and lighting, to be used for the studies of two biological systems: the host plant and the parasite attaching it	Plant Pathology	Sherer-Gillett Co., Marshall, Mich.	3 450 00 f.o.b. delivered
One building, lumber rigid frame type, 20 ft. by 50 ft., complete with concrete foundation and floor, overhead door and service door, to be constructed at Veterinary Research Farm, South Race Street, Urbana	Veterinary Medicine	Hazen & Franks Builders Supply, Inc., Tolono	2 923 34 delivered and erected
Print and bind 25,000 copies <i>Undergraduate Courses</i> , 1963-64, approximately 240 pages per copy, trim size 6 in. by 9 in.	University Press	Pantagraph Printing & Stationery Co., Bloomington	8 584 00 f.o.b. delivered
40,000 pounds anhydrous ammonia to be furnished and applied on approximately 500 acres of corn land at the Dixon Springs Experiment Station at Robbins	Dixon Springs Experiment Station	Hi-Yield Fertilizer Co., Murphysboro	3 400 00 f.o.b. delivered and spread

*Purchases from Institutional Funds*

One pacemaker for monitoring and controlling heart action in the cardiac patient	Agency for International Development (Faculty of Medicine, Chiangmai Hospital, Thailand)	Henley & Co., Inc., New York, N.Y.	\$ 2 875 00 c&f Bangkok, Thailand
Ten motorized variable height hospital beds with accessories including safety sides, intravenous rods, and mattresses	Clinical Research Center, Chicago	Hill-Rom Co., Inc., Batesville, Ind.	5 239 00 delivered
Forty microscopes, less trade-in of thirty used microscopes	Medical Center, Chicago	A. S. Aloe Co., Schiller Park	9 135 00 delivered
One infrared spectrophotometer with three cells	Physical Sciences, Chicago Undergraduate Division	Wilkins Anderson, Chicago	5 122 00 delivered and installed

(Note: This purchase will be made from both Institutional Funds, \$5,122.00, and Appropriated Funds, \$13.00, for a total of \$5,140.00.)

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One computer, analog, basic unit including pre-wired console, ten operational amplifiers, four integrators, ten potentiometers, power supply, reference system, readout patching module, patch panel and kit, and service shelf	Agricultural Engineering	Electronic Associates, Inc., Long Branch, N.J.	\$ 7 882 81 f.o.b. destination
One high-speed repetitive operation group			
One function switch group			
One coefficient setting potentiometer group			
One automatic counting system for counting solid beta by scintillation detection, consisting of a sample changer, print-out timer, gas low detector, Q-gas cylinder, lead shielding, and binary scaler	Botany	Nuclear-Chicago Corp., Des Plaines	3 726 73 f.o.b. delivered
Seven instrumentation laboratories used to teach courses for scientists in electronics and instrumentation and research	Chemistry and Chemical Engineering	Heath Co., Benton Harbor, Mich.	4 477 50 f.o.b. Benton Harbor, Mich.
(Note: This purchase will be made from both Institutional Funds, \$4,477.50, and Appropriated Funds, \$1,791.00, for a total of \$6,268.50.)			
One multiple sample absorbance recorder for use in research work directed toward a study of microbial metabolism both at the whole cell and enzyme levels	Chemistry and Chemical Engineering	Gilford Instrument Laboratories, Inc., Oberlin, Ohio	4 465 00 f.o.b. Oberlin, Ohio
One spray etcher including extra work holding rack and titanium cooling coil with controls installed. This equipment is for producing printed electronic circuit boards	Digital Computer Laboratory	General Plate Makers Supply Co., Chicago	3 539 25 f.o.b. State College, Pa.
Four power supplies, D.C., regulated: output: 0-12 volts, 0-100 amps; 1 per cent regulation; 24 amps A.C. input; 50-60 cps; size 8½ in. high, 19 in. wide, 20 in. deep behind front panel	Digital Computer Laboratory	Kepeco, Inc., c/o Lang, Claeson & Associates, Chicago	4 200 00 f.o.b. Flushing, N.Y.
500 cartons (3,000 sets per carton) forms, single part 14½ in. by 11 in. including marginal guide strip, to be shipped in lots of 20 to 80 cartons per shipment, as needed, between March and August, 1963	Digital Computer Laboratory	Wallace Press, Inc., Champaign	4 830 00 f.o.b. delivered
One magnetic core 4,096 word memory system, with physical and electrical provisions for expansion to 8,192 word system; and option to purchase accessories within one year to expand the original equipment to a 8,192 word system (option to purchase accessories, \$48,500.00 f.o.b. delivered)	Digital Computer Laboratory	Indiana General Corp., Electronics Division, Keasbey, N.J.	108 000 00 f.o.b. delivered
One power supply, D.C., 20 kv output, 13 amp, 4160v input, 3 phase, 60 cycle	Electrical Engineering	Westinghouse Electric Corp., Peoria	11 950 00 f.o.b. delivered
One milling machine, horizontal, tool room type with floor space approximately 48 by 56, less trade-in of horizontal milling machine equipment	Electrical Engineering	Hardinge Brothers, Inc., Chicago	3 135 00 f.o.b. delivered
One spare parts kit	Electrical Engineering	Packard Bell Computer Corp., c/o Pivan Engineering Co., Chicago	6 854 25 f.o.b. delivered
One module tester for Packard Bell PB250 Digital Computer			
Two oscillators, quartz, precision, five parts in 10 <sup>9</sup> per day stability	Electrical Engineering	Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago	5 700 00 f.o.b. Palo Alto, Calif.
Two power supplies, standby, for above			
Six crystals, 5 in. diameter ± 0.001 in. X-cut quartz, free of optical and electrical defects to resonate in free fundamental thickness mode at 1.000 MC/sec, fine-ground, crystals intended for use in harmonics, two only to be plated with chromium and gold coating to ¼ in. of edge	Electrical Engineering	Valpey Crystal Corp., Holliston, Mass.	6 020 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One particle size analyzer and accessories, consisting of the main instrument, set of 48 individual counters, soft plastic cover, foot switch and step-up transformer	Geology	W. H. Kessel & Co., Chicago	\$ 3 445 00 f.o.b. delivered and installed
Print and bind eight issues, 1,000 copies per issue, <i>Illinois Journal of Mathematics</i> , approximately 160 pages per copy, trim size 6 $\frac{3}{4}$ in. by 10 in.	Illinois Journal of Mathematics	Waverly Press, Inc., Baltimore, Md.	27 880 16 f.o.b. delivered
One interference microscope with built-in illuminator, attachable mechanical stage and accessories	Mining, Metal- lurgy, and Petroleum Engineering	W. H. Kessel & Co., Chicago	7 163 00 f.o.b. delivered and installed
456 printed circuit (electrical) boards	Physics	Keil Engineering Products, Inc., St. Louis, Mo.	3 399 90 f.o.b. delivered
Sheet-metal housings for electronic counting system, consisting of 100 manifolds and 500 modules	Physics	Craftsman Sheet Metal Inc., Franklin Park	7 930 00 f.o.b. delivered
100 manifolds and 500 modules to be purchased at once, with option to purchase up to identical quantities at the same unit prices within eighteen months of first delivery			
One used spectrophotometer with power supply, recorder, sodium chloride and calcium fluoride prisms, and a vacuum thermocouple detector with potassium bromide window; six months new guarantee; to be used in physics research on shallow trapping levels in silver and alkali halites	Physics	The Perkin-Elmer Corp., La Grange	4 860 00 f.o.b. delivered
One Coulter Counter B with vacuum pump, automatic size distribution plotter, one gross plastic vials, and one bottle of saponin for 30,000 determinations, to be used in cancer research on cattle and pigs	Veterinary Medicine	Scientific Products Division, American Hospital Supply Corp., Evanston	6 825 00 f.o.b. delivered
Print and bind 5,000 copies of <i>Mass Communications</i> , by Wilbur Schramm, approximately 708 pages per copy, trim size 6 in. by 9 in.	University Press	Edwards Brothers, Inc., Ann Arbor, Mich.	7 396 00
One lot laboratory equipment including one electrophoresis apparatus, one densitometer, one integrator, and one microscope with accessories	Agency for International Development (India)	Fisher Scientific Co., New York, N.Y.	2 844 52 f.a.s. Bombay, India
Thirty-seven drapery units complete with hardware and installed	Assembly Hall	Art Drapery Studios, Inc., Chicago	2 700 70 f.o.b. delivered and installed
288 (approximately) window air-conditioning units of various cooling capacities to be furnished as required during period April 1, 1963, to November 1, 1963	Physical Plant	Yeomans Distributing Co., Peoria	44 261 90 f.o.b. delivered
One truck, fork lift, electric-powered, walking type, 2,000 pound capacity, complete with batteries and charger	Physical Plant	Allied Equipment Co., Peoria	2 962 69 f.o.b. delivered
One truck, 1963 model, 9,800 pounds, gvw, with van body; less trade-in of 1959 model truck with grain body	Physical Plant	University Ford Sales, Champaign	9,800 pound truck 1 690 00
One truck, 1963 model, 19,500 pounds, gvw, with grain and stake body; less trade-in of 1959 model truck with flat bed and hoist		Gregory Ford Co., Decatur	19,500 pound truck 2 578 89
One truck, 1963 model, 7,000 pounds, gvw, with utility body; less trade-in of 1958 model station wagon, four-door		International Harvester Co., Springfield	7,000 pound truck 1 898 00 (6 166 89) f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Eighteen 1963 four-door sedans, less trade-in of eighteen 1961 four-door sedans	Physical Plant	Courtesy Motor Sales, Inc., Chicago (Ford)	
One 1963 four-door sedan police car, less trade-in of 1962 model police car	Acquatic Biology Section, State Natural History Survey	Eighteen four-door sedans; one police car; thirteen compacts	\$ 23 374 94
Thirteen 1963 four-door sedan compacts, less trade-in of thirteen 1961 compacts	State Natural History Survey	University Ford Sales, Champaign	
Three 1963 four-door station wagons, less trade-in of one 1961 and two 1960 four-door station wagons	Agricultural Engineering	Five station wagons	7 405 99
Two 1963 four-door station wagons		Sullivan Chevrolet Co., Champaign	
Two 1963 trucks, less trade-in of 1958 and 1951 trucks		Four trucks	6 461 99
Three 1963 carryall trucks, less trade-in of one 1951 pick-up truck and one 1957 carryall		Carl Chevrolet Co., Springfield	
		One truck	2 100 00
(Note: This purchase will be made from both Institutional Funds, \$37,484.96, and Appropriated Funds, \$1,857.96, for a total of \$39,342.92.)			(39 342 92)

### Summary of Purchases Recommended

From Appropriated Funds.....	\$ 57 599 40
From Institutional Funds.....	364 232 41
<i>Grand Total</i> .....	\$421 831 81

On motion of Mrs. Watkins, these purchases were authorized.

### COMPTROLLER'S REPORT OF CONTRACTS

(21) The Comptroller's report of contracts executed during the period February 1 to 28, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Palatine Park District	Long-range plan for public parks and recreation in the district	8 750 00	December 11, 1962
United States Army DA-AMC-36-039-63-G2	Investigation of water droplet coalescence	48 000 00	November 1, 1962
United States Army DA-31-124-ARO (D)-66	Influence of residual stresses and heterogeneous yielding on brittle fracture	29 000 00	February 4, 1963
United States Army DA-49-193-MD-2389	Development of radio tracking techniques and equipment for use on rats in Malaya	7 727 00	January 17, 1963
United States Army O.L. 63-B4915	Use of five videotapes for instruction of students at Military Academy at West Point	2 928 58	January 10, 1963
United States Atomic Energy Commission AT (11-1)-1260	Evaluate the research reactor program of the National Nuclear Energy Commission	3 800 00	January 15, 1963
United States Department of Agriculture 12-14-100-6856(44)	Differences in muscular development and carcass value of beef cattle	20 968 00	December 18, 1962
United States Department of Health, Education, and Welfare OE-3-10-075	English programs in selected high schools which do and do not educate outstanding students in English	119 537 00	February 1, 1963
United States Navy NObs-88283	Low-cycle, high-stress fatigue behavior of materials and structural components of steels typical of ship applications	30 000 00	January 1, 1963
United States Navy Nohr(G)-00021-63	Acquisition of a high-speed electronic digital computer	94 000 00	December 19, 1962
<i>Total</i>		<u>\$356 710 58</u>	

  

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
John Heffernan	Render services in the role of Piper Holman in the play "The Man with the Oboe"	\$ 1 671 00	January 18, 1963



## Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
John Deere Co.	Rental of farm machinery: one lift plow	\$ 27 42 (annual rental)	October 18, 1962
International Business Machines Corp.	Two items: two key punches	1 056 00 (annual rental)	February, 1963
George Maxwell	One dairy barn, one hog barn, two loafing sheds, and one paved lot to be used in research study entitled "The Leukemia-Lymphosarcoma Syndrome of Cattle and Swine"; February 1 through June 30, 1963	750 00 (150 00 per month)	February 1, 1963
<b>Total</b>		<b>\$ 1 833 42</b>	

## Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Battle Creek Equipment Co.	Changes induced in various physical fitness measures by dynamic exercisers for conditioning purposes	\$ 1 200 00	February 1, 1963
Reinforced Concrete Research Council	Multiple panel reinforced concrete floor slabs	8 000 00	September 1, 1962
State of Illinois, Department of Mental Health Project 17-130	Relationship of neonatal hypoglycemia to neurological damage in prematurely born infants	33 670 00	October 1, 1962
United States Agency for International Development AIDC-1258-3	Assisting Uttar Pradesh Government in the organization and development of a United States land-grant type of university	180 000 00	October 16, 1962
United States Army DA-49-193-MD-2222	Experimental ketosis in man	27 972 00	January 31, 1963
United States Navy Nonr-1834 (15)	Design and development of selected computer components	30 000 00	January 14, 1963
<b>Total</b>		<b>\$280 842 00</b>	

## Adjustments Made in 1962-63 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Twenty-nine items: \$259.22 deduct to \$645.00	\$ 2 458 74	January and February, 1963

## Summary

Amount to be paid to the University.....	\$637 552 58
Amount to be paid by the University.....	5 963 16

This report was received for record.

## UNIVERSITY OF ILLINOIS ASSEMBLY HALL NAME

(22) Following discussions in newspapers of proposals for a change in the name of the University of Illinois Assembly Hall, the Student Senate on the Urbana-Champaign campus sponsored a poll of student preferences as to several new names suggested. The report of this poll has been submitted to the President of the University and copies have been sent to the members of the Board of Trustees by the Secretary. The report made no recommendation except to point out that the poll would indicate a preference, of the students who voted, for a prefix to the name "Assembly Hall." (Off campus, the present prefix is, of course, "The University of Illinois.")

It will be recalled that the name "Assembly Hall" was given to this multi-purpose building by the Board of Trustees when it approved the project several years ago; later, the Committee on Buildings and Grounds formally confirmed the name. Among the points made to the Committee at that time, from a staff report on the subject, were:

Since the building is to serve a variety of needs, the name should reflect such multiple use.

In discussions by the Board of Trustees concerning naming of University buildings, emphasis has been given to the desirability of functional names instead of names for individuals.

Since the Assembly Hall is financed by fees and income-producing events, it would seem inappropriate to adopt a name which would indicate that the building is a memorial to one person.

Experience has indicated that names of buildings may be changed if there are sufficient reasons to warrant such action. As the functional uses of the Assembly Hall may develop in the future, the name selected first may need to be changed later.

This project, identified as "Assembly Hall," has received nationwide publicity because of its design. There is considerable value in this publicity, particularly in view of the fact that every effort must be made to attract large conferences and conventions to increase the revenue available for operating costs.

Reactions to the name "Assembly Hall" appear to have been favorable and no objections have been raised to this name which implies a multiple purpose building.

The naming of University buildings is a function of the Board of Trustees. Under the Board's procedures, recommendations are received from the President of the University. In arriving at recommendations, the President consults the Executive Committee of the University Council and other committees and officers whose responsibilities may be involved.

I have no recommendation on this subject at this time but if the Board of Trustees wishes to have further study of the desirability of a change and a specific recommendation in connection therewith, I shall be glad to submit a report following the usual consultations.

Mr. Pogue asked that consideration be given to naming the Assembly Hall in memory of the late Coach Robert C. Zuppke, but added that he would not present a formal motion for such change in name if it was the consensus of the Board that no change be made at this time.

Mr. Johnston and Mr. Williamson expressed their opinions that any action to change the name be deferred.

On motion of Mr. Johnston, the President's report was accepted and received for record. Mr. Pogue asked to be recorded as not voting.

#### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; cancellations, declinations, resignations, and terminations; leaves of absence.

##### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ASGAR, MOHD. ALI, Assistant in Ophthalmology (Medicine), one year from July 1, 1962, without salary (3-4-63).

BASS, ALAN R., Research Associate in Psychology,  $\frac{1}{3}$  time, \$800; and Research Associate in Recreation (College of Physical Education),  $\frac{1}{2}$  time, \$1,200, February 1-May 31, 1963 (2-18-63).

BAY, EDWIN, Adviser to Director of Extension U. P. Agricultural University, Pantnager, India, for service under Contract ICA-1258, two years from April 1, 1963, \$13,255 a year (2-12-63).

BLAU, ZENA, Assistant Professor of Nursing,  $\frac{3}{4}$  time, December 15, 1962-August 31, 1963, \$372 a month, supersedes leave of absence without pay (2-15-63).

BLOUNT, WILBUR C., Assistant in Ophthalmology (Medicine), six months from January 1, 1963, without salary (3-4-63).

BOKENKAMP, ROBERT W., Instructor in General Engineering (C),  $\frac{1}{3}$  time, June 16-August 15, 1963, \$592; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{2}$  time (3-4-63).

BOS, WILLIAM G., Research Associate in Chemistry, February 16-August 31, 1963, \$6,300 a year (2-27-63).

CARTER, CLIFFORD E., Research Engineer in the Digital Computer Laboratory, six months from March 1, 1963, \$9,300 a year, supersedes his nonacademic appointment (2-20-63).

- CHACKO, CHERUVATHUR I., Research Assistant in Plant Pathology (S), one month from February 1, 1963, \$416.67, supersedes (2-14-63); and six months from March 1, 1963, \$5,850 a year, supersedes (2-8-63).
- CHAPDU, ROBERT E., Instructor in Business English, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$612 for the period (2-14-63).
- DAVIS, D. DWIGHT, Lecturer in Anatomy (Medicine), March 18-August 30, 1963, without salary (2-27-63).
- DE MAINE, PAUL A. D., Visiting Scientist in Chemistry, one year from September 1, 1963, \$9,600 (3-6-63).
- DYSANT, MARGARET, Research Associate in Pharmacognosy and Pharmacology (Pharmacy), five months from April 1, 1963, \$6,500 a year, supersedes (2-20-63).
- ERICOURT, DANIEL, Visiting Lecturer in Music, Summer Session of 1963, June 17-August 10, 1963, \$3,000 for the period (3-4-63).
- FAULKNER, WESLEY W., Research Associate in Motion Picture Services (College of Journalism and Communications), February 8, 1963-April 30, 1964, \$6,600 a year (2-20-63).
- FORBES, AUDREY E., Research Associate in Pediatrics (Medicine),  $\frac{3}{8}$  time, eight months from January 1, 1963, \$2,500 (3-8-63).
- FROVA, (MR.) ANDREA, Research Associate in Electrical Engineering (S), one year from September 1, 1963, \$9,000 (3-1-63).
- GARVEY, JOHN C., Professor of Music, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$1,189 for the period (3-4-63).
- GAVORET, J. G., Research Associate in Physics (C), September 16, 1963-August 31, 1964, \$7,500 a year (2-26-63).
- GENDEIN, ALVAN R., Assistant in Psychiatry (Medicine), one year from September 1, 1962, without salary (2-20-63).
- GHOSH, MRIGANKA MOULI, Research Assistant in Civil Engineering (S), February 1-June 15, 1963, \$488.88 a month, supersedes (2-8-63).
- GIESELMAN, ROBERT D., Instructor in Business English, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$567 for the period (2-14-63).
- GLIESSMAN, DAVID, Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$2,000 for the period (2-14-63).
- GRABOW, EMIL F., Assistant in Ophthalmology (Medicine), six months from January 1, 1963, without salary (3-4-63).
- GREENFIELD, GEORGE B., Clinical Instructor in Radiology (Medicine),  $\frac{3}{10}$  time, six months from March 1, 1963, \$4,320 a year, supersedes (2-14-63).
- GRUBB, EUGENE L., Instructor in Physical Chemistry, to render service during the second semester of the academic year, March 1-August 31, 1963, \$3,000, supersedes (2-27-63).
- GRUSH, HUBERT L., Research Assistant in Electrical Engineering (S), one month from March 1, 1963, \$5,200 a year, and five months from April 1, 1963, \$5,500 a year, supersedes (3-6-63).
- GUIRE, PATRICK, Research Assistant in Chemistry, three months from February 1, 1963, \$488.88 a month (2-11-63).
- HAIG, ROBERT L., Associate Professor of English, Summer Session of 1963, June 17-August 10, 1963, \$2,112 for the period (2-14-63).
- HANSCOM, DONALD H., Instructor in Medicine (Medicine),  $\frac{55}{100}$  time, six months from March 1, 1963, \$5,000 a year, supersedes nonsalaried appointment (2-25-63).
- HANSEN, GEORGE M., Research Assistant in the State Water Survey, February 11-June 30, 1963, \$500 a month (2-11-63).
- HARLAN, JAMES R., Senior Research Engineer, Department of Physics (C), six months from March 1, 1963, \$10,100 a year, supersedes nonacademic appointment (2-20-63).
- HILL, WILLIAM, Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$2,200 for the period (2-14-63).
- HOELSCHER, RANDOLPH P., Professor of General Engineering (C),  $\frac{3}{10}$  time, February 1-June 15, 1963, \$1,200 (2-22-63).
- HOLMES, ALLEN H., Assistant in Education (University High School), February 1-June 15, 1963, \$666.67 a month, supersedes (2-14-63).
- HOLZER, HELLFRIED P., Associate Professor of Accountancy, Summer Session of 1963, June 17-August 10, 1963, \$2,223 for the period (2-14-63).

- HUANG, YEN-CHIEN, Research Associate in Metallurgical Engineering (C), February 15-August 31, 1963, \$666.66 a month (2-15-63).
- HUNDEBY, JOHN, Research Assistant Professor of Psychology, March 1-August 31, 1963, \$7,950 a year, supersedes (2-15-63).
- JOHNSON, MRS. CHARLOTTE K., Instructor in Speech and Theatre,  $\frac{1}{2}$  time, to render service during the second semester of the academic year, March 1-August 31, 1963, \$3,300 a year (2-8-63).
- JORGENSEN, DONALD R., Assistant in Ophthalmology (Medicine), nine months from October 1, 1962, without salary (3-4-63).
- KEEN, MARIA, Instructor in English, Summer Session of 1963, June 17-August 10, 1963, \$1,178 for the period (2-14-63).
- LAWWILL, THEODORE, Assistant in Ophthalmology (Medicine), six months from January 1, 1963, without salary (3-4-63).
- LONGABAUGH, THOMAS B., Clinical Instructor in Medicine (Medicine), March 18-August 31, 1963, without salary (2-19-63).
- LORD, WILLIAM J., JR., Assistant Professor of English, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$845 for the period (2-14-63).
- MATSUMOTO, (MR.) YORIMI, Research Assistant in Physiology and Biophysics, seven months from February 1, 1963, \$4,900 a year (2-12-63).
- METZGER, ERIKA, Instructor in German, February 1-June 15, 1963, \$2,400 (2-27-63).
- MICHEL, PIERRE E. J., Visiting Lecturer in English, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$656 for the period (2-14-63).
- MILLET, STANTON, Assistant Professor of English, Summer Session of 1963, June 17-August 10, 1963, \$1,667 for the period, supersedes previous Summer Session appointment (2-14-63).
- MIYASHIRO, JANE Y., Research Associate in Education (University High School),  $\frac{3}{4}$  time, to render service during the second semester of the academic year, March 1-August 31, 1963, \$3,900 a year, supersedes (2-19-63).
- MOAKE, FRANK, Assistant Professor of English, Summer Session of 1963, June 17-August 10, 1963, \$1,789 for the period, supersedes previous Summer Session appointment (2-14-63).
- MORGAN, ROBERT E., Assistant in Civil Engineering Summer Surveying Camp, Summer Session of 1963, June 17-July 20, 1963, \$750 for the period (2-22-63).
- MUNTER, H. STEEN, JR., Assistant in the Institute of Aviation, February 1-June 15, 1963, \$450 a month (2-8-63).
- OFFER, DWIGHT F., Instructor in the Institute of Aviation, six months from March 1, 1963, \$8,000 a year, supersedes (2-20-63).
- ORE, FRED R., Senior Research Engineer, Department of Electrical Engineering (S), six months from March 1, 1963, \$10,500 a year (2-20-63).
- ORMISTON, EMMETT E., Associate Professor of Dairy Husbandry (Dairy Science) for service in India at the Banaras Hindu University, Varanasi, U. P., under Contract ICAC-1453 with the International Cooperation Administration, from February 15, 1963, through August 31, 1963, \$12,800 a year; and, Associate Professor of Dairy Husbandry (Dairy Science), in the College of Agriculture, on indefinite tenure from September 1, 1963, supersedes (2-12-63).
- PETERSON, DAVID E., Assistant Professor in the Graduate School of Business Administration (College of Commerce and Business Administration), to render service during the second semester of the academic year, March 1-August 31, 1963, \$4,000, supersedes (2-8-63); and in the Summer Session of 1963, June 17-August 10, 1963, \$1,778 for the period (2-22-63).
- PINK, PAUL, Research Associate in Biological Chemistry (Medicine), six months from March 1, 1963, \$7,500 a year (2-25-63).
- PUSZTASZERI, STEPHEN F., Research Assistant in the State Water Survey, February 18-June 30, 1963, \$4,900 a year (2-18-63).
- ROBERTS, LEO J., Assistant in Ophthalmology (Medicine), six months from January 1, 1963, without salary (3-4-63).
- RUSSELL, GEORGE A., Associate Professor of Physics,  $\frac{1}{2}$  time, indefinite tenure, and Associate Director of the Materials Research Laboratory,  $\frac{1}{2}$  time, March 1-August 31, 1963, to render service during each academic year, \$13,500 a year, supersedes (3-6-63).
- RYAN, WILL G., Instructor in Medicine (Medicine), six months from March 1, 1963, \$8,000 a year (2-14-63).

- SECTER, IRVING, Assistant Professor of Clinical Dentistry (Dentistry), six months from March 1, 1963, \$8,500 a year, supersedes (3-6-63).
- SHAUGHNESSY, HOWARD J., Professor of Public Health and Preventive Medicine on the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, from February 24, 1963, through March 25, 1963, \$24,613 a year; and Professor of Public Health and Head of the Department, at the Medical Center, Chicago, on indefinite tenure from March 26, 1963 (2-6-63).
- SHIPLEY, JAMES R., Professor of Art, Summer Session of 1963, June 17-August 10, 1963, \$3,845 for the period (2-22-63).
- SIEMENS, JOHN C., Instructor in Agricultural Engineering (S), seven months from February 1, 1963, \$7,400 a year, supersedes (3-8-63).
- SLATT, BERNARD, Assistant in Ophthalmology (Medicine), eleven months from August 1, 1962, without salary (3-4-63).
- STERN, MRS. RUTH S., Research Associate in Psychology,  $\frac{1}{2}$  time, February 16-August 31, 1963, \$275 a month (3-1-63).
- SUSON, ELIESER B., Assistant in Ophthalmology (Medicine), ten months from September 1, 1962, without salary (3-4-63).
- TRIPPO, RONALD P., Research Assistant in Civil Engineering (S), February 1-April 15, 1963, \$488.89 a month, supersedes (2-13-63).
- TROTT, B. DALE, Research Associate in Metallurgical Engineering (C),  $\frac{1}{2}$  time, one month from February 1, 1963, \$300, and  $\frac{3}{4}$  time, March 1-June 15, 1963, \$450 a month, supersedes (2-14-63).
- UZGIRIS, MRS. INA C., Research Associate in Psychology, seven months from February 1, 1963, \$6,000 a year (3-4-63).
- VAISER, ALBERT, Assistant in Ophthalmology (Medicine), one year from July 1, 1962, without salary (3-4-63).
- VICKERS, PAMELA, Instructor in Medical Social Work (Medicine),  $\frac{1}{2}$  time, February 19-August 31, 1963, \$3,800 a year (2-20-63).
- WANG, HAN-CHUNG, Research Associate in Theoretical and Applied Mechanics (C),  $\frac{1}{2}$  time, February 1-June 15, 1963, \$266.67 a month (3-4-63).
- WELKER, NEIL E., Research Associate in Microbiology, seven months from February 1, 1963, \$6,800 a year (2-11-63).
- WILDER, HOWARD L., Clinical Assistant Professor of Ophthalmology (Medicine), seven months from February 1, 1963, without salary, supersedes salaried appointment (2-14-63).
- WILKINS, JAMES L., Instructor in Sociology (Chicago Undergraduate Division),  $\frac{3}{4}$  time, to render service during the second semester of the academic year, February 1-June 30, 1963, \$450 a month (2-20-63).
- YANG, KWANG-SHI, Research Engineer in Astronomy, six months from March 1, 1963, \$8,850 a year (2-8-63).
- YAPP, WILLIAM W., Professor of Dairy Science (C and S),  $\frac{1}{2}$  time, seven months from February 1, 1963, \$4,656 a year (3-1-63).

#### GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- BAKER, ROBERT J., Edward Orton Jr. Ceramic Foundation Fellow in Ceramic Engineering, February 1-June 15, 1963, \$900, supersedes (2-11-63).
- BRUNCKHORST, BARBARA L., Office of Vocational Rehabilitation Fellow (Trainee) in Education, February 1-June 15, 1963, \$900 (2-19-63).
- BUSTA, FRANCIS F., United States Public Health Service Predoctoral Fellow in Food Technology, one year from February 1, 1963, \$2,700 (2-28-63).
- BUTLER, BARTLETT, Fellow in Music, February 1-June 15, 1963, \$800 (2-22-63).
- CHRISTENSEN, JAMES, JR., Office of Vocational Rehabilitation Fellow (Trainee) in Education, February 1-June 15, 1963, \$1,000 (2-5-63).
- GILMAN, ALICE, United States Public Health Service Fellow (Trainee) in Microbiology, seven months from February 1, 1963, \$1,750 (2-7-63).
- KANEY, ANTHONY R., United States Public Health Service Fellow (Trainee) in Microbiology, seven months from February 1, 1963, \$1,750 (2-6-63).
- KNOFF, JAMES A., United States Public Health Service Fellow (Trainee) in Chemistry, February 1-June 15, 1963, \$1,000 (2-19-63).
- LAURSEN, RICHARD A., United States Public Health Service Predoctoral Fellow in Chemistry, one year from February 1, 1963, \$2,000; this is in addition to his assistantship in Chemistry on 15/100 time (2-28-63).

- LAWDER, SUE A., Grolier-Americana Fellow in Library Science, two months from June 16, 1963, \$375 (2-8-63).
- LOCKE, ROBERT F., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, February 1-June 15, 1963, \$2,437.52 (1-29-63).
- MANDY, WILLIAM J., United States Public Health Service Fellow (Trainee) in Microbiology, February 1-June 15, 1963, \$1,200 (2-8-63).
- MERKELO, HENRY, Eastman Kodak Company Teaching Fellow in Electrical Engineering, February 1-June 15, 1963, \$1,000 (2-15-63).
- MOSIMANN, ELLA B., Office of Vocational Rehabilitation Fellow (Trainee) in Education, February 1-June 15, 1963, \$1,000 (2-5-63).
- MUNDAY, JOHN C., JR., United States Public Health Service Fellow (Trainee) in Biophysics, February 1-September 15, 1963, \$1,666.27 (2-5-63).
- PALMER, JERRY L., United States Public Health Service Fellow (Trainee) in Microbiology, seven months from February 1, 1963, \$1,750 (2-7-63).
- POWELL, FRANKLIN E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,407.50, superseded (1-29-63).
- SINHA, SIRYA P., Fellow in Law, February 1-June 15, 1963, \$500 (2-19-63).
- WARD, LINDA G., Office of Vocational Rehabilitation Fellow (Trainee) in Education, February 1-June 15, 1963, \$1,000 (2-5-63).

#### RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS

- CARLSON LEE, DOROTHY, Research Assistant in Physics — declination effective September 1, 1962.
- CHADWICK, LEIGH E., Head of the Department of Entomology — resignation effective September 1, 1963.
- CICENAS, ZINNIA, Assistant Chief Pharmacist in the Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy) — resignation effective February 7, 1963.
- CLARKE, ROBERT W., Fellow in Accountancy — resignation effective June 16, 1963.
- CRAWFORD, ISABELLE M., Lecturer in Health Education — declination effective September 16, 1962.
- DACHOWSKI, MARJORIE M., Clinical Counselor in the Student Counseling Service, with rank of Instructor — cancellation effective September 1, 1962.
- DANIELZADEH, ALBERT, Research Assistant in Biological Chemistry (Medicine) — resignation effective January 15, 1963.
- DENNEN, DAVID, Research Assistant in Biological Chemistry (Medicine) — resignation effective February 1, 1963.
- DESHPANDE, VITHAL N., Research Associate in Plant Pathology — resignation effective March 1, 1963.
- DORFMEISTER, JOHN, Research Assistant in the Statistical Service Unit (Provost's Office) — resignation effective March 1, 1963.
- DOUGLAS, STEPHEN A., James W. Garner Fellow in Political Science — resignation effective April 1, 1963.
- DUNKIN, MICHAEL J., Fellow in Education — resignation effective February 1, 1963.
- FLUCK, DOROTHEA I., Research Assistant in Microbiology — resignation effective February 14, 1963.
- FOOTE, BEVERLY D., Research Associate in Chemistry — resignation effective February 1, 1963.
- FORSTER, MERLIN H., Assistant Professor of Spanish, Summer Session of 1963 — declination effective June 17, 1963.
- GILMAN, ALICE, United States Public Health Service Fellow (Trainee) in Microbiology — resignation effective February 1, 1963.
- GOMBOS, EDWARD A., Assistant in Physical Education for Men — resignation effective February 1, 1963.
- JUNKER, DARREL D., Assistant in Animal Science — resignation effective February 1, 1963.
- KIM, SUN C., Wright Fellow in Food Technology — resignation effective February 1, 1963.
- LANYON, CARMEN M., Teaching Fellow in Spanish — resignation effective February 1, 1963.

- LAWDER, SUE A., Grolier-Americana Fellow in Library Science—resignation effective February 1, 1963.
- LAYTON, LESLIE L., Project Assistant in Aquatic Biology (State Natural History Survey)—resignation effective April 10, 1963.
- LEAL, LUIS, Professor of Spanish, Summer Session of 1963—declination effective June 17, 1963.
- LEE, KEUN S., United States Public Health Service Fellow (Trainee) in Physiology—resignation effective March 1, 1963.
- LIPPE, PHILIPP M., Assistant in Neurology and Neurological Surgery (Medicine)—termination effective February 1, 1963.
- MACPHEE, ROBERT H., Research Assistant in Electrical Engineering—resignation effective March 11, 1963.
- MANDY, WILLIAM J., United States Public Health Service Fellow (Trainee) in Microbiology—resignation effective February 1, 1963.
- MARGULIS, MICHAEL, Fellow in Music—resignation effective February 1, 1963.
- MEISSNER, JUDY A., United States Public Health Service Fellow (Trainee) in Psychology—resignation effective February 1, 1963.
- MERRILL, MARY E., Assistant in English—resignation effective February 1, 1963.
- MOTO-OKA, TOHRU, Visiting Research Assistant Professor in the Digital Computer Laboratory—resignation effective March 1, 1963.
- NISHIDA, MRS. HIRO I., Lauterbach Memorial Fellow in Food Technology—resignation effective February 1, 1963.
- NIXON, JAMES E., Resident-Manager, Single Graduate Halls—resignation effective March 1, 1963.
- PALMER, JERRY L., United States Public Health Service Fellow (Trainee) in Microbiology—resignation effective February 1, 1963.
- PAUL, M., Visiting Research Associate in the Digital Computer Laboratory—resignation effective March 16, 1963.
- PLAMENAC, DRAGAN, Professor of Music, Summer Session of 1963—declination effective June 17, 1963.
- PURDY, RICHARD R., United States Public Health Service Fellow (Trainee) in Psychology—resignation effective February 1, 1963.
- PUSZTASZERI, STEPHEN F., Research Assistant in the State Water Survey—resignation effective February 20, 1963.
- SIMONSEN, ELAINE, Assistant in Education (University High School)—resignation effective January 1, 1963.
- SLOTNICK, BURTON, Research Assistant in Physiology—cancellation effective June 16, 1962.
- SMITH, RICHARD K., Instructor in History (Chicago Undergraduate Division), Summer Session of 1963—declination effective June 21, 1963.
- STAMBAUGH, MARY K., Research Assistant in Microbiology—resignation effective February 9, 1963.
- WALKER, DONALD E., Assistant Professor of Animal Science—resignation effective April 20, 1963.
- YUSEM, MILTON, Assistant Professor of Physical Science (Chicago Undergraduate Division), Summer Session of 1963—declination effective June 21, 1963.

#### LEAVES OF ABSENCE

- ALEXANDER, CHARLES S., Associate Professor of Geography—leave of absence, without pay, from March 1, 1965, through February 28, 1966, so that he may accept a lectureship on the faculty at the University of Cape Town.
- BAYLOR, CALVIN E., County Extension Staff Member in Shelby and McHenry Counties—leave of absence, with full pay, for six months from March 1, 1963, for the purpose of study.
- BRENNAN, MRS. HELEN B., Assistant Professor of English and Chairman of English for Foreign Students—disability leave of absence, with full pay, March 1, 1963, through June 30, 1963, and leave without pay from July 1, 1963.
- FIEDLER, FRED E., Professor of Psychology—leave of absence, without pay, September 1, 1963, through August 31, 1964, so that he may accept a Ford Foundation Faculty Fellowship.
- GILLETTE, MRS. NEDRA A., Instructor in Occupational Therapy, in the College of Medicine—leave of absence, without pay, from April 6 through June 30, 1963, so that she may travel to England.

- GLASER, DANIEL, Professor of Sociology — leave of absence, without pay, for one year from September 1, 1963, so that he may serve as a visiting professor at Arizona State University.
- HEINS, MAURICE H., Professor of Mathematics — leave of absence, without pay, for one year from September 1, 1963, so that he may accept an appointment as a Visiting Professor of Mathematics at the University of California in Berkeley.
- O'CONNOR, DENNIS M., Assistant Professor of Law — leave of absence, without pay, for one year from September 1, 1963.
- PRICE, LEONARD H., Assistant Professor of Art — leave of absence, without pay, for one year from September 1, 1963, for the purpose of study at the Rochester Institute of Technology of Rochester, New York.
- SNOOT, RONALD L., Instructor in Mechanical Engineering, in the College of Engineering — leave of absence, without pay, extended to September 1, 1963, so that he may continue to devote full time to his graduate studies under a National Science Foundation Science Faculty Fellowship.
- SPENCE, CLARK C., Associate Professor of History — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a faculty fellowship for Social Science Research on Business offered him by the Ford Foundation.
- VANBORTEL, DOROTHY G., Research Associate in Pedodontics, in the College of Dentistry — leave of absence, without pay, from February 18 through March 24, 1963.
- WALKER, LEONARD D., Professor of General Engineering — disability leave of absence, with full pay, for the second semester of 1962-63.

#### TRIBUTE TO CLARENCE W. WELDON

Following the election of Robert R. Manchester as the new Treasurer of the Board to succeed Mr. C. W. Weldon, on motion of Mr. Swain, the Board voted to enter in its records an expression of appreciation of Mr. Weldon's services as Treasurer during the past twelve years. Mr. Kenney E. Williamson now offered the following resolution:

TO MR. CLARENCE W. WELDON:

The Board of Trustees of the University of Illinois expresses and records its grateful appreciation of your services as an officer of this Board.

In your twelve years as Treasurer of the Board of Trustees and of the University, you have had the respect and confidence of all members of the Board, past and present, and of other officers in the University Administration for your devotion to your post, for your judgment, your patience, and complete integrity in all relationships. You have served the Board and the University with distinction and with generosity of your time.

The President and other administrative officers of the University desire to join the Trustees in this expression of appreciation of your service as an officer of the Board of Trustees of the University of Illinois. We look forward to your continued interest in the affairs of your Alma Mater and we extend to you and Mrs. Weldon our best wishes for the years ahead.

The Board of Trustees directs that this resolution be incorporated in the minutes of today's meeting to become a part of the official public record, and that a suitable copy be given you as a permanent reminder of the esteem and affection in which you are held.

The resolution was unanimously adopted.

#### REQUEST OF ELIZABETH KROHNE

Miss Elizabeth Krohne, an undergraduate student, appeared before the Board and distributed an open letter from twenty-five students addressed to the Board of Trustees concerning the case of Dr. Leo F. Koch, former Assistant Professor of Biological Sciences, and requested an opportunity to address the Board on the subject.

On motion of Mrs. Watkins, the Board voted that its action be



limited to receiving the letter, a copy of which has been filed with the Secretary.

#### **FUTURE MEETINGS**

President Clement announced that the April meeting will be held in Urbana, as previously scheduled, on Wednesday, April 17.

The May meeting is scheduled for Wednesday, May 15. It was the consensus of the Board that this meeting be held in Chicago at the Medical Center and it was so ordered by the President of the Board.

The June meeting is scheduled for Wednesday, June 19. On invitation of Mr. Swain and Mr. Williamson, the Board agreed to hold this meeting in Peoria and it was so ordered by the President of the Board.

#### **MEETING OF ASSOCIATION FOR HIGHER EDUCATION**

Mrs. Watkins presented a report on the meeting of the Association for Higher Education in Chicago, March 3 to 6, which she attended as one of the representatives of the University of Illinois and also as a Regional Director of the Association of Governing Boards of State Universities and Allied Institutions.

#### **RECESS**

On motion of Mrs. Watkins, the Board recessed for luncheon. During the recess, Dean Theodore Peterson of the College of Journalism and Communications addressed the Board on the programs in radio and television of the College. Mr. Frank E. Schooley, Director of Broadcasting, was also present and was introduced.

Following luncheon, the Board reconvened for consideration of a committee report. The same members of the Board, officers of the Board, and officers of the University were present during this session as recorded at the beginning of these minutes with the exception of Mr. Johnston and Mr. Williamson, who had asked to be excused.

#### **PURCHASE OF FILM INSPECTION MACHINES**

At a meeting of the Board of Trustees held on March 14, 1961, the Board considered a number of recommendations for purchases of equipment, including two film inspection machines for the Audio-Visual Aids Service. The Board voted to refer the recommendation for the purchase of these two machines to a special committee to be appointed by the President of the Board. Mr. Kenney E. Williamson, then President of the Board, appointed as this special committee: Mr. Howard W. Clement, Chairman, Mr. Richard A. Harewood, Mrs. Frances B. Watkins. Subsequently, Mr. Timothy W. Swain was appointed to replace Mr. Richard A. Harewood on the Committee when he resigned as a Trustee.

Mr. Clement now presented the following:

#### **Report of the Special Committee of the Board of Trustees on Purchase of Film Inspection Machines for Visual Aids Service**

To increase productivity in the servicing of rental movie units, in 1960 the Purchasing Division, at the request of the Visual Aids Service of the University of Illinois, invited sealed bids for the University's purchase of two 16 millimeter movie film inspection machines. Films which have been rented from and returned to the Visual Aids Service are inspected by such machines in order to detect any breaks or other flaws in the films. Funds for the purchase of the inspection machines are not appropriated by the state but come from film rentals paid to the University by outside organizations.

The University received sealed bids from two companies: The Harwald Company, Inc., and Paulmar, Incorporated. The lower bid submitted by the Harwald Company was evaluated by the staff of the Visual Aids Service and the Purchasing Division and it was concluded by them that the equipment offered by the Harwald Company did not meet the bid specifications and the needs of the Visual Aids Service. Accordingly, a recommendation for purchase of the two Paulmar units was then presented to the Board of Trustees. The Board took no action on the recommendation because of objections raised by Mr. Grunwald, President of the Harwald Company, and a special committee of the Board of Trustees was appointed to consider the matter further. Subsequently the recommendation for the purchase was withdrawn.

An analytical report on the equipment offered by the Paulmar Company and the Harwald Company in response to the bids was prepared and presented to the special committee by two members of the staff of the College of Engineering: Professor H. N. Hayward, of the Measurement Service Program of the College of Engineering, and Professor George F. Schrader, an expert in the field of time-motion study. The special committee thereafter concluded that the specifications issued for the purchase of the equipment included some requirements which were not essential to the performance of the intended function and that, while the equipment offered by the Harwald Company did not meet the specifications as listed, bids should be taken on broader specifications.

Before new bids were invited, the film inspection industry offered a new type of machine which provided for the simultaneous review of more than one reel of film. It appeared that the advancement in the design might offer further savings in the operation of the film inspection function, and that the new machine should be studied.

For this purpose, Mr. John R. Miles, a consulting engineer, was employed to make an independent study to determine whether the use of the new "stacked unit" type of film inspection equipment was desirable, and to compare the merits of such equipment produced by the Harwald Company and the Paulmar Company.

Mr. Miles submitted his report which indicated that, in his opinion, the purchase of the stacked unit was desirable, and recommended that the equipment manufactured by the Paulmar Company be acquired. A copy of this report was submitted to both vendors. Mr. Grunwald of the Harwald Company objected to the conclusions in the Miles report and requested a further hearing before the special committee of the Board, which was held on October 17, 1962.

In the course of the original bidding process, the Supervisor of the Visual Aids Service of the University reported that Mr. Grunwald had offered him a sum of money if he would submit a favorable report on the Harwald equipment. The offer was made in a private conversation and was not brought before the Board in view of the fact that at that time there was no substantiating evidence. During the hearing before the special committee of the Board on October 17, 1962, Mr. Grunwald was asked whether or not he had made such an offer and he admitted doing so, although he stated it was for the purpose of "testing" the University employee.

On the basis of Mr. Grunwald's statements to the Committee, it is concluded that he offered to give a University employee something of value with an intent to influence such employee within the meaning of the University's regulations which provide that "No person on a bidders' list or who submits or intends to submit a bid shall give or offer to give, directly or indirectly, any money, article, or other things of value to any officer or employee of the University of Illinois, with an intent to influence said officer or employee of the University of Illinois." The regulations further provide that if any person makes such an offer, "all bids, submitted by him, will be rejected and the bidder will be barred from further bidding for a period of time fixed by the Purchasing or Physical Plant Department."

It is recommended that the University notify Mr. Grunwald and the Harwald Company that they are barred from bidding on University business for a period of one year and that the University proceed to secure sealed bids for stacked unit film inspection equipment.

At the conclusion of the presentation, and following discussion, on motion of Mr. Swain, the report was accepted and the recommendation of the Committee was adopted without dissent.

At the conclusion of the business meeting following the luncheon program, on motion of Mr. Pogue, the Board again recessed.

#### INSPECTION OF STUDIOS OF WILL-TV

During the second recess members of the Board inspected the new studios of Station WILL-TV at 302 North Goodwin Avenue, Urbana. Professor C. J. McIntyre, Coordinator of Instructional Television, addressed the Board at the studio, illustrating his presentation with showings of educational television programs.

#### EXECUTIVE SESSION

Prior to the recess, President Clement announced that an executive session had been requested and was being ordered in the afternoon for consideration of recommendations relating to property acquisitions and patentable inventions.

When the Board reconvened in executive session, the following members were present: Mr. Clement, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; Mr. Page and Mr. Johnston had previously asked to be excused. The same officers of the University and officers of the Board were present as recorded at the beginning of these minutes.

#### LAND ACQUISITIONS

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the following properties for the purposes and at the prices indicated:

- |   |          |
|---|----------|
| 1302 West Stoughton Street, Urbana—as a site for the new Civil Engineering Building .....   | \$23 650 |
| The property consists of a corner lot 48 feet by 133 feet and is improved with a two-story and basement frame dwelling. Possession will be delivered by July, 1963. |          |
| 911 South Fifth Street, Champaign—as part of the site for a residence hall for single graduate students.....  | 28 000   |
| The property consists of a corner lot 59.24 feet by 70 feet and a two-story and basement brick dwelling and garage. Possession will be delivered by November, 1963. |          |
| 411 East Daniel Street, Champaign—as part of the site for a residence hall for single graduate students.....  | 33 000   |
| The property consists of a lot 70.5 feet by 111.8 feet and a two-story and basement frame dwelling. Possession will be delivered by July, 1964.                     |          |

Funds for the purchase of these properties are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

The prices are consistent with appraisals secured by the University and recommendations for the acquisition of these properties have previously been submitted to the Committee on Buildings and Grounds which concurs. On February 20, 1963, the Board authorized condemnation proceedings for the acquisition of the property at 411 East Daniel Street, Champaign, but through subsequent negotiations, a price of \$33,000 has been agreed upon which is within the limits authorized by the Committee on Buildings and Grounds.

I recommend authorization of the purchases of these properties at the prices indicated; and I further recommend that the Board rescind its action of February 20, 1963, with respect to condemnation proceedings for acquisition of the property at 411 East Daniel Street.

On motion of Mrs. Watkins, purchase of these properties for the prices recommended was authorized; and the resolution of the Board authorizing condemnation proceedings for the acquisition of the prop-

erty at 411 East Daniel Street, Champaign, was rescinded. This action was taken by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Johnston, Mr. Kerner, Mr. Page.

**ACQUISITION OF PROPERTY AT 206 NORTH  
ROMINE STREET, URBANA, ILLINOIS**

(2) Representatives of the University have been negotiating for the purchase of the property at 206 North Romine Street, Urbana, Illinois, required as part of the site for construction of the new Civil Engineering Building. Architectural work is in process and construction is scheduled to start in the spring of 1964 with completion in time for occupancy in the fall of 1965.

The property consists of a lot 66 feet by 66 feet (4,356 square feet) and is improved with a two-story frame dwelling with basement. An offer of \$21,000, based on appraisals secured by the University, was made to the owners, who were advised that if they agreed to that amount a recommendation would be made to the Board of Trustees for the purchase of the property. The offer is not acceptable to the owners whose asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees exercise its power to acquire the property by eminent domain and authorize condemnation proceedings for its acquisition.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property at  
206 North Romine Street, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

The South One-half (S½) of Lot Five (5) in Block Fifty-one (51) of the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign, in the State of Illinois

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for a site for a Civil Engineering Building and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois

that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Williamson, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Johnston, Mr. Kerner, Mr. Page.

#### **ACQUISITION OF PROPERTY AT 909-909½ SOUTH FIFTH STREET, CHAMPAIGN, ILLINOIS**

(3) Representatives of the University have been negotiating for the purchase of the property at 909-909½ South Fifth Street, Champaign, Illinois, required as part of the site for a residence hall for single graduate students to be constructed in the block bounded by Daniel, Fifth, Chalmers, and Fourth Streets.

The property consists of a lot 57 feet by 140 feet and is improved with a three-story and basement frame house.

An offer of \$36,000, based on appraisals secured by the University, was made to the owners, who were advised that if they agreed to that amount a recommendation would be made to the Board of Trustees for the purchase of the property. The offer is not acceptable to the owners whose asking price remains in excess of highest University appraisals.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees exercise its power to acquire the property by eminent domain and authorize condemnation proceedings for its acquisition.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

#### **Resolution Authorizing Condemnation of Property at 909 and 909½ South Fifth Street, Champaign, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot Ten (10) in Block Three (3) of a Replat of Lots Five (5), Six (6), Seven (7) and Eight (8) in Block One (1) and Lots Five (5), Six (6), Seven (7) and Eight (8) in Block Two (2) and Lots One (1), Two (2), Three (3), Five (5), Six (6), Seven (7), and Eight (8) in Block Three (3) of A. T. Hall's Addition to the City of Champaign, Illinois, being a part of the Southeast Quarter (SE ¼) of the Northwest Quarter (¼) of Section

Eighteen (18), Township Nineteen (19) North, Range Nine (9) East of the Third Principal Meridian, situated in the City of Champaign, in the County of Champaign, and State of Illinois;

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for a site for residence halls buildings for single graduate students and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owners have refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Johnston, Mr. Kerner, Mr. Page.

#### **PURCHASE OF PROPERTY AT 1305 WEST MAIN STREET, URBANA**

(4) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 1305 West Main Street, Urbana, Illinois, at a price of \$30,250, required as part of the site for construction of the Civil Engineering Building.

The property consists of a lot 66 feet by 132 feet, and a five-room brick dwelling with basement and garage. Possession will be delivered by September, 1963.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

The recommendation for acquisition of this property has been reviewed with the Committee on Buildings and Grounds.

I concur.

On motion of Mr. Pogue, the purchase of this property for the price recommended was authorized by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Johnston, Mr. Kerner, Mr. Page.

#### RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(5) The University Patent Committee submits, with the concurrence of the University Research Board, the following reports and recommendations relating to patentable inventions by members of the staff.

1. System for removing free electrons—Shao L. Soo, Professor of Mechanical Engineering, inventor. The invention consists of two parts: Part one is on the removal of electrons from an ionized gas. Such removal is effected by injecting positively charged solid particles in micron or submicron size by, for instance, corona charging; and injected into ionized gases in the jet of a rocket or high temperature gas layer on an artificial satellite during re-entry. The function of removal of electrons is to reduce attenuation of radio waves by free electrons in the ionized gas layer or jet. Part two is the deliberate inclusion of solid particles in a hot gas system as in a magneto-hydrodynamic generator, to serve two functions; (1) to increase the electrical conductivity of a gas for a given temperature, and (2) to reduce the temperature drop of the mixture passing through the MHD section.

It is reported that further study is required and that there is some possibility that a patent application will be filed. Accordingly, it is recommended that the rights of the University in this invention be released to the University of Illinois Foundation, with full recognition of the rights of the sponsoring agency, the Department of the Navy.

2. Liquid helium level indicator—Cameron B. Satterthwaite, Associate Professor of Physics, and Roger P. Ries, Electronics Technician II, inventors. This device makes use of a superconducting transition which will (1) indicate by a meter or indicator light whether or not a sensing element is immersed in liquid helium or not making it possible to determine whether the liquid helium level is above or below the sensing element, or (2) in a different modification display on a meter a reading that is proportional to the liquid helium level above a certain fixed point.

It is reported that further study is required and that there is some possibility that a patent application will be filed. Accordingly, it is recommended that the rights of the University in this invention be released to the University of Illinois Foundation, with full recognition of the rights of the sponsoring agency, the Department of the Army.

3. Phase and vibration simulator—Roy B. Perkins, Associate Professor of Mechanical Engineering at the Chicago Undergraduate Division, inventor. This simulator is used to generate two or more time displacement wave forms. In its simplest form, it consists of a driving member reciprocated by a crank mechanism and attached to a recording pen to describe a reference curve. The driven member describes the second curve by use of a pen attached to a spring mass component.

Studies indicate that there will not be sufficient value to justify the cost of further development work on this invention; and accordingly, it is recommended that the rights of the University be released to the inventor.

4. Internally reflecting confocal resonant system—Don F. Holshouser, Associate Professor of Electrical Engineering, inventor. The system is a resonator generally composed of two opposing reflecting elements with the active medium, either a crystal or a gas, filling the region between, and is useful for frequencies in which wave lengths are short compared to physical dimensions. The Board of

Trustees has released its rights to this invention to the University of Illinois Foundation, and the latter requests that a percentage of the net income which may be received from the royalties be assigned to the inventor.

The Patent Committee recommends a distribution of 15 per cent of any net income to the inventor.

I concur in these recommendations.

On motion of Mr. Swain, these recommendations were approved.

On motion of Mr. Hughes, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*



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**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**April 17, 1963**



The April meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Wednesday, April 17, 1963, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner was absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Be-gando, Vice-President, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Earl W. Porter, Assistant to the President, Mr. George H. Bargh, Administrative Assistant, President's Office, Mr. Fred H. Turner, Dean of Students, Associate Provost Paul R. Shaffer, Mr. V. L. Kretschmer, Director of Auxiliary Services; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**  
The Board took up consideration of the following reports and recommendations from the President of the University.

#### **PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

#### **AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
JAMES WILLIAM FRANCISSEN	Chicago, Illinois	District of Columbia
FRANK LEONARD SCHOPPET	Bethalto, Illinois	Missouri
ALFRED A. WEBER	St. Louis, Missouri	Missouri

I concur.

On motion of Mrs. Watkins, these certificates were awarded.

#### **CHAIRMANSHIP OF THE DEPARTMENT OF ECONOMICS**

(2) At the end of the current academic year, 1962-63, Professor J. F. Bell of the Department of Economics will have completed his third two-year term as Chairman of the Department. He has asked to be relieved of further service in this administrative assignment so that he can devote full time to teaching and research. He will be on sabbatical leave of absence during the second semester of 1963-64.

With the concurrence of the Executive Committee of the Department of Economics, the Dean of the College of Commerce and Business Administration recommends the appointment of Professor John F. Due as Chairman of the Department for two years beginning September 1, 1963. The salary of this position will be determined when the budget for 1963-64 is submitted to the Board for approval.

The Dean of the Graduate College and the Executive Vice-President and Provost also concur.

I recommend approval.

On motion of Mr. Johnston, this appointment was approved.

#### **ASSOCIATE DEAN OF THE GRADUATE COLLEGE**

(3) The Dean of the Graduate College recommends the appointment of Dr. Marvin Frankel, Research Professor in the Bureau of Economic and Business Research, as Associate Dean of the Graduate College on one-half time beginning September 1, 1963. He will continue as Research Professor on one-half time. The total salary of this dual position will be \$17,000 on a twelve-month service basis.

The appointment of Dr. Frankel is to replace Dr. Ivan D. Steiner, Professor of Psychology, who has been serving as Associate Dean since September 1, 1961, and who has asked to be relieved of this administrative assignment so that he may devote full time to teaching and research.

The appointment of Dr. Frankel as Associate Dean is concurred in by all recommending officers involved—the Head of the Department of Economics, the Director of the Bureau of Economic and Business Research, the Dean of the College of Commerce and Business Administration, and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.

**DIRECTOR OF DIVISION OF EDUCATION,  
CHICAGO UNDERGRADUATE DIVISION**

(4) The Vice-President for the Chicago Undergraduate Division recommends the appointment of Dr. Victor E. Ricks, presently Professor of Education in Social Sciences at the Chicago Undergraduate Division, as Professor of Education on indefinite tenure and Director of the Division of Education, beginning May 1, 1963, and continuing until September 1, 1965, at an annual salary of \$14,500 on a twelve-month service basis.

This appointment will establish the new Division of Education, within the new organizational framework of the University of Illinois at Congress Circle as previously authorized by the Board of Trustees (January 18 and February 15, 1961). The recommendation is submitted after consultation with the Academic Advisory Council at the Chicago Undergraduate Division and the Dean of the College of Education at Urbana, and is concurred in by the Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Johnston, this appointment was approved.

**ACTING DEAN OF COLLEGE OF ENGINEERING,  
CHICAGO UNDERGRADUATE DIVISION**

(5) The Vice-President for the Chicago Undergraduate Division recommends the appointment of Rupert M. Price, Assistant Dean of Engineering and Associate Professor of Physics at the Chicago Undergraduate Division, as Associate Professor of Physics on indefinite tenure and Acting Dean of the College of Engineering, beginning May 1, 1963, on an annual appointment and twelve-month service basis, and at an annual salary rate of \$16,200.

This recommendation is endorsed by a search committee appointed to nominate a Dean for Engineering, and by the Academic Advisory Council at the Chicago Undergraduate Division. It is concurred in by the Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.

**DIRECTOR OF DIVISION OF PHYSICAL EDUCATION AND DIRECTOR  
OF ATHLETICS, CHICAGO UNDERGRADUATE DIVISION**

(6) The Vice-President for the Chicago Undergraduate Division recommends the appointment of Sheldon L. Fordham, presently Assistant Dean of Physical Education and Associate Professor of Physical Education for Men at the Chicago Undergraduate Division, as Associate Professor of Physical Education for Men on indefinite tenure and Director of the Division of Physical Education and Director of Athletics for two years, beginning September 1, 1963, at an annual salary of \$13,500 on a twelve-month service basis.

This appointment will also implement the Division of Physical Education within the new organizational framework of the University of Illinois at Congress Circle, Chicago, as previously authorized by the Board of Trustees (January 18 and February 15, 1961), and will fill the vacancy created by the retirement at the end of the current academic year of John O. Jones, Associate Dean of Physical Education for Men and Director of Athletics. The recommendation is submitted with the support of a Consultative Committee appointed to nominate a Director, and after consultation with the faculty of Physical Education. It is concurred in by the Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Hughes, this appointment was approved.

**APPOINTMENTS TO THE FACULTY**

(7) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. PETER J. COURI, Clinical Assistant Professor of Obstetrics and Gynecology, beginning March 1, 1963, without salary (DY).

2. ARTHUR J. DERBYSHIRE, Associate Professor of Otolaryngology, beginning March 1, 1963, at an annual salary of \$15,000 (DY).
3. GUIDO FRIZZI, Visiting Professor of Zoology, for six and one-half months from May 16, 1963, at a salary of \$10,108 (G).
4. MAX M. FROCHT, Visiting Professor of Theoretical and Applied Mechanics, for the academic year 1963-64, at an annual salary of \$15,000 (D).
5. R. JERALD HAMILTON, Associate Professor of Music, beginning September 1, 1963, at an annual salary of \$10,700 (D).
6. CHARLES E. HAMM, Professor of Music, beginning September 1, 1963, at an annual salary of \$11,000 (A).
7. ELIO MAGGIO, Assistant Professor of Otolaryngology, College of Medicine, from March 25 to August 31, 1963, at a salary of \$1,000 per month.
8. WILLARD A. MAINORD, Visiting Assistant Professor of Psychology, for four and one-half months from February 1, 1963, on one-fourth time, at a salary of \$1,000 (E25).
9. WILLIAM L. MCDANIEL, Assistant Professor of Applied Materia Medica and Therapeutics, College of Dentistry, on four-tenths time, beginning March 25, 1963, at an annual salary of \$4,000 (DY40).
10. WILLIAM S. MILLER, Clinical Assistant Professor of Obstetrics and Gynecology, beginning March 1, 1963, without salary (DY).

On motion of Mr. Dilliard, these appointments were confirmed.

#### APPOINTMENTS TO CENTER FOR ADVANCED STUDY

(8) Upon recommendation of the Executive Committee of the Center for Advanced Study, and with the concurrence of the Dean of the Graduate College and the Executive Vice-President and Provost, I submit the following nominations for appointments to the Center for Advanced Study for the period and for the program of research or study as indicated in each case.

*Member (for a five-year period from September 1, 1963)*

- H. G. DRICKAMER, Professor of Chemical Engineering and of Physical Chemistry. Professor Drickamer's research contributions represent a high degree of technical skill and inventiveness combined with the ability, originality, and theoretical insight to obtain results of fundamental and general significance. His work has ranged widely, from physical chemical studies of engineering processes and of molecular interactions in condensed phases to the development of high-pressure techniques and their application to a number of basic problems in solid state physics and geology.

His most recent and probably most important accomplishments are concerned with the effects of very high pressure on solid state and molecular electronic structure. In particular he has developed a unique optical apparatus which permits spectroscopic measurements in the ultraviolet, visible, and infrared regions of the spectrum to pressures of 200,000 atmospheres and at temperatures of over 400° C. He has developed a device for measuring electrical resistance in substances subject to pressures in excess of 500,000 atmospheres.

#### *Associate Members*

- SAMUEL ADLER, Visiting Professor of Art, for the second semester. As artist-in-residence, to paint and to advise graduate students in painting.
- BEI-TSE CHAO, Professor of Mechanical Engineering and of Nuclear Engineering, for one year from September 1, 1963. To conduct investigations in the field of two-phase fluid flow and heat transfer.
- D. J. GEANAKOPOLOS, Professor of History, for the second semester. To do research in libraries and archives of America and Europe on the relations of the Byzantine Orthodox Church with Roman Catholicism and the Russian Church, and also on the influence of Byzantine and Venetian-dominated Crete in the Renaissance of Western Europe.
- W. J. HALL, Professor of Civil Engineering, for one year from September 1, 1963. To complete a monograph on the brittle fracture of fabricated steel structures, and to conduct further studies in the areas of fracture mechanics and structural analysis.
- D. R. HODGMAN, Professor of Economics, for two years from September 1, 1963. To conduct quantitative studies of commercial bank behavior, with emphasis on micro-analytic computer simulation of the commercial banking system.

J. R. KELLY, Professor of Music, for one year from September 1, 1963. To compose an opera based on the conquest of Aztec Mexico by Cortez and provisionally entitled *Conquistadore*.

SHERMAN PAUL, Professor of English, for one year from September 1, 1963. To complete his final volume of studies of the tradition of the "American Scholar."

C. P. SLICHTER, Professor of Physics, for one year from September 1, 1963. To conduct investigations of electron and nuclear magnetic resonance.

P. A. WADSWORTH, Professor of French, for one year from September 1, 1963. To complete work on his study of the writings of La Fontaine.

J. H. WALTER, Associate Professor of Mathematics, for one year from September 1, 1963. To continue his research into the theory of finite groups.

F. L. WILL, Professor and Chairman of the Department of Philosophy, for the second semester. To complete his book on the Problem of Induction.

Provisions for the salaries of these staff members during the period of their membership in the Center will be included in the budget of the Graduate College and the Center.

On motion of Mr. Hughes, these appointments were approved.

#### **SABBATICAL LEAVES OF ABSENCE, 1963-64**

(9) I recommend that the following members of the staff be given sabbatical leaves of absence during the academic year 1963-64 in accordance with the provisions of the University of Illinois Statutes and on the terms and for the periods indicated. This recommendation is supplementary to the applications recommended to the Board of Trustees on March 20, 1963. (It was reported at that time that a number of applications for sabbatical leaves during 1963-64 were still under administrative consideration and that additional recommendations would be submitted at a subsequent meeting.)

#### **College of Commerce and Business Administration**

WILLIAM EDGAR THOMAS, Professor of Accountancy, second semester, full pay.

#### **College of Education**

CECIL H. PATTERSON, Professor of Education, second semester, full pay.

#### **College of Fine and Applied Arts**

KENNETH M. LANSING, Associate Professor of Art Education, second semester, full pay.

#### **Graduate School of Library Science**

DONALD E. STROUT, Professor of Library Science, first semester, full pay.

#### **Chicago Undergraduate Division**

NICHOLAS C. SCHOLOMITI, Assistant Professor of Mathematics, second semester, full pay.

On motion of Mr. Johnston, these leaves were granted as recommended.

#### **HONORARY DEGREES**

(10) The University Senate at the Medical Center has recommended that the honorary degree of Doctor of Science be conferred upon:

DETLEV W. BRONK, former President of Johns Hopkins University and now President of the Rockefeller Institute. Dr. Bronk will give the Commencement address for graduates of the colleges at the Medical Center on June 7, 1963.

The Urbana-Champaign Senate has recommended honorary degrees be conferred upon the following at the Commencement exercises at Urbana-Champaign on June 15, 1963:

HENRY TOWNLEY HEALD, Doctor of Laws (LL.D.). Former Chancellor of New York University, now President and a Trustee of the Ford Foundation. Dr. Heald will give the Commencement address at Urbana-Champaign on June 15.

GEORGE WELLS BEADLE, Doctor of Science (D.Sc.). Chancellor of the University of Chicago.

CARL SHIPP MARVEL, Doctor of Science (D.Sc.). Research Professor of Organic Chemistry, *Emeritus*, University of Illinois.

CLARENCE SAMUEL ROSS, Doctor of Science (D.Sc.). Principal Geologist, United States Geological Survey.

I concur in the recommendations of the Senates.

On motion of Mr. Swain, these degrees were authorized.

#### INVITATION TO VISIT BRITISH UNIVERSITIES

(11) I request the Board of Trustees to authorize my acceptance of an invitation to attend meetings of the Association of Universities of the British Commonwealth at the University of London, a conference of Vice-Chancellors of British universities and Presidents of American universities at St. Andrews University, and to visit British universities following these programs. The official visitation would be during the period from July 10 until August 1, exclusive of travel time.

The invitation has been presented through the Association of American Universities. The Presidents of twelve member institutions of that Association will constitute the delegation.

The members of the delegation will have unusual opportunity to receive and discuss authoritative reports on higher education in many countries and to bring back to their own institutions comparative information and insights from the experience.

The travel expense will be underwritten by the Association and the mission will involve no expense to the University of Illinois.

On motion of Mrs. Watkins, authority was given as requested.

#### AMENDMENT OF POLICY FOR INVESTMENT OF FUNDS AND INVESTMENT PROCEDURES

(12) On recommendation of the Finance Committee, the Board of Trustees on June 20, 1962, adopted a policy for investment of funds and investment procedures, including a resolution authorizing the Treasurer of the Board of Trustees to exercise certain functions. In view of the change in the Treasurership, it is necessary to amend the resolution and it is therefore requested that the following resolution be adopted to replace the resolution which appears on page 1519 of the minutes of the Board of Trustees meeting of June 20, 1962.

#### Resolution

*Resolved*, that the Treasurer of the Board of Trustees of the University of Illinois, a public corporation, is authorized in his discretion to sell, assign, or transfer to any assignee or transferee for or on behalf of this corporation and in its name any and all shares of capital stock or any voting trust certificates representing the right to receive shares of stock or any registered bonds or other securities of any other corporation owned by this corporation and for the purpose of effecting any such sale or transfer, R. R. Manchester, the Treasurer of this corporation, be and he hereby is authorized to execute in the name of this corporation and on its behalf all assignments which may be necessary and that A. J. Janata, Secretary of this corporation, be and he hereby is authorized to attest to the authority of R. R. Manchester, Treasurer, to execute the aforesaid documents.

The Treasurer will exercise the authority granted by such resolution only after being notified by the Comptroller of the approval of the Finance Committee for the sale as provided in the established procedure. The Secretary of the Board will attest to the validity of the resolution and to the authority of the Treasurer to sign the documents.

On motion of Mr. Williamson, this amendment was adopted.

#### POLICY AND PROCEDURE CONCERNING COPYRIGHTS AND RECORDINGS

(13) *The General Rules Concerning University Organization and Procedure* include regulations governing patents on inventions (Sections 17 and 18, pages 59-60) and copyrights on printed material (Section 19, page 60). In both cases it is made clear that when such inventions or writings have been produced with the

use of University facilities, resources, or financial support, these productions belong to the University. In the case of patents, detailed administrative procedures and guide lines are outlined for the determination of the University's rights and for deciding what share, if any, of the net income realized from patents should go to the inventor. No such administrative procedures or guide lines are specified in the case of copyrights, although Section 10 (on the University Press, page 49) does refer to contracts with authors concerning royalties and other conditions related to the publication and copyrighting of manuscripts.

No reference is made in *The General Rules Concerning University Organization and Procedure* concerning recordings of lectures and other content on such media as film and magnetic tape; yet the rapid increase in the use of these media—especially in the form of videotaped recording of instruction for presentation by television—has raised serious questions concerning University, departmental, and faculty rights relative to the production, ownership, and use of such material. Typically, an instructor develops a set of videotaped lectures for his own course, as part of his regular departmental duties and usually with a substantial reduction in teaching load. Since he is paid to do the work, and since University facilities are used, the University's right to ownership of the recordings could hardly be questioned.

After a lengthy study, the University Committee on Instructional Television has recommended policies and general procedures for the resolution of questions and issues which may arise in determination of the equitable interests involved. The Committee's proposals have been reviewed and approved in principle by the Academic Advisory Council. In the light of these studies, the Executive Vice-President and Provost recommends the following revisions in Section 19 of *The General Rules Concerning University Organization and Procedure* (the new material below is in italics).

#### COPYRIGHTS AND RECORDINGS

Sec. 19. (a) The right to copyright a work or to assign this right to a publisher normally belongs to the author of the work. However, when the author is specifically commissioned by the University or one of its departments to prepare a manuscript or report, the manuscript and all rights to it shall belong to the University.

(b) Research and service pamphlets and bulletins may or may not be copyrighted, at the discretion of the department issuing the work.

(c) Books published by the University Press are copyrighted as provided in Section 10.

(d) *All rights in recordings of lectures, of demonstrations, and of other content—such as films and videotapes—that have been produced with the use of University facilities, resources, or financial support shall belong to the University.*

(e) *If the University uses or markets copyrighted or recorded material produced by a staff member under the conditions outlined in the second sentence of (a) and (d), and if such disposition is made on a basis that yields a net income to the University, a proportion of the net income may be assigned to the author(s) or developer(s) of the material.*

(f) *A University Committee on Copyrights and Recordings, appointed by the President, will review the circumstances involved in each case that might arise under the principle stated in (e), and make recommendation concerning it to the President and Board of Trustees. It is expected that the Committee will be guided in its recommendations by standards analogous to those stated in Section 18 (c) (page 60) concerning patents.*

I concur.

On motion of Mr. Swain, these revisions were approved.

#### CLINICAL TRAINING FOR LICENSED PRACTICAL NURSE PROGRAM

(14) The Chicago Public Schools have been providing a training program for "Licensed Practical Nurse" since 1948. Students in this program receive clinical training in a number of hospitals in Chicago. The Chicago Board of Education has requested the University to provide the clinical setting for ward experience in obstetrics and pediatrics in the Research and Educational Hospitals for a limited number of these practical nurse students.



Over 95 per cent of the licensed practical nurses now employed in the Research and Educational Hospitals are graduates of this program and they always have been found to be competent and well selected. Therefore, the Hospitals staff has had considerable experience with the program and considers it well organized and executed.

It is proposed that the clinical training program be started May 1, and will continue for the next three years.

The Medical Director of the Research and Educational Hospitals, the Director of Nursing in the Hospitals, and the Vice-President for the Medical Center have requested authority to negotiate an agreement with the Chicago Board of Education covering this training program. Formal action by the Board of Trustees is not necessary as the proposal can be approved administratively but because it is a new area of public service, it seemed appropriate to bring the matter to the Board for its information and for the record.

On motion of Mrs. Watkins, this program was approved.

#### **MIDWEST ELECTRONICS RESEARCH CENTER**

(15) The College of Engineering has proposed establishment of a Midwest Electronics Research Center within the College of Engineering and the Engineering Experiment Station to provide for close association between University research programs and industrial research and development laboratories and to promote programs which will stimulate productive University-industrial relationships. In general, the Center's purpose would be to assist midwest electronics firms in the task of handling the greater amount of sophisticated research required for military and space programs and for new areas of civilian technology and product development.

The initial activities of the Center will include a program for "Industrial Research Visitors" as well as seminars and short courses in electronics and related topics of solid state physics. The Center will also serve in the establishment of cooperative research contracts sponsored by industry, the dissemination of information and interpretative publications, and the coordination of activities leading to the organizing of company-sponsored research laboratories.

Submitted herewith is a statement giving further details of the proposal, a copy of which is being filed with the Secretary of the Board for record.

Approval of this program and authorization to negotiate and execute the necessary contractual agreements with industries which may be interested and selected for participation is requested.

I concur, subject to further action by the Board of Higher Education.

On motion of Mr. Johnston, this program was approved, in principle, and authority was given as recommended to negotiate and enter into contracts, and additional authorization was given to modify the plan before it is set up in final form to take into account such changes as may be indicated after further internal administrative consideration and consultation with the officers of the colleges and departments concerned; provided that any substantive changes shall be reported to the Board for confirmation; and provided further that final approval shall be subject to approval of the program by the Board of Higher Education. This action was taken without dissent.

#### **PRODUCTION ENGINEERING EDUCATIONAL AND RESEARCH CENTER**

(16) The College of Engineering and the Engineering Experiment Station submit a proposal for a new Production Engineering Educational and Research Center to be established within their administrative organization. The main objective of this Center will be to conduct a broad interdisciplinary program of technical assistance to industry. The rapid expansion of knowledge concerning new materials and the technology for their fabrication have created complex problems for industry, and particularly for small industries which do not have the technical and research personnel to cope with them. The Center would assist these industries to upgrade their technical competence through organized programs for the

dissemination of knowledge concerning materials fabrication, machine structures, machine controls, automated manufacturing, and the economic-sociological aspects of industrial organization.

Representatives of the Department of Mechanical and Industrial Engineering have been conferring with representatives of the Colleges of Commerce and Business Administration, Liberal Arts and Sciences (social science departments), and other engineering departments on methods of attacking problems dealing with the social as well as technical and financial aspects of modern industry. The Center would provide educational programs and "problem clinics" for groups outside the University, graduate educational programs within the University, and would conduct research. With the exception of regular graduate studies, each area of specialized education and research would be fully supported by interested companies or other agencies through contracts or grants.

Submitted herewith is a statement giving further details of the proposal, a copy of which is being filed with the Secretary of the Board for record.

I concur, subject to further action by the Board of Higher Education.

On motion of Mr. Swain, this program was approved, in principle, and authority was given as recommended to negotiate and enter into contracts, and additional authorization was given to modify the plan before it is set up in final form to take into account such changes as may be indicated after further internal administrative consideration and consultation with the officers of the colleges and departments concerned; provided that any substantive changes shall be reported to the Board for confirmation; and provided further that final approval shall be subject to approval of the program by the Board of Higher Education. This action was taken without dissent.

#### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(17) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations and assignments of funds from the University General Reserve:

##### *Urbana-Champaign*

1. College of Agriculture	
Department of Animal Science, repairs to the Swine Nutrition Farm	\$18 200 00
2. College of Liberal Arts and Sciences	
Department of Mathematics, equipment.....	2 582 00
3. Physical Plant Department	
Agricultural Engineering Building, remodeling.....	7 190 00
Photographic Laboratory, air conditioning.....	8 000 00
Davenport House, air conditioning.....	7 076 65
Total.....	\$43 048 65

I concur.

On motion of Mr. Pogue, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### SETTLEMENTS WITH ECONOMY PLUMBING AND HEATING COMPANY, INC. AND BLOOMER HEATING AND VENTILATING COMPANY

(18) In December, 1949, the University entered into separate contracts with Economy Plumbing and Heating Company, Inc. (hereinafter called "Economy") and Bloomer Heating and Ventilating Company (hereinafter called "Bloomer") for the furnishing of certain materials and work in the construction of the University's Research and Educational Hospitals Addition in Chicago. The building was not completed for more than two years after the scheduled date. Economy, Bloomer, and other contractors on the project, including Patrick Warren Construction Company, the general contractor, contended that the delays were caused by the University and asserted claims for damages by reason thereof. The University

has consistently denied liability on such claims and has maintained that the delays were caused by the contractors. By special agreement with the University, Economy (in 1954) and Bloomer (in 1953) were paid and accepted the balances due under their respective contracts, which agreement preserved the contractors' rights to assert at a later date claims for delay, and also acknowledged the University's right to deny liability thereon.

On November 28, 1961, the Board of Trustees approved a settlement with Patrick Warren Construction Company which settlement included a payment for release of Warren's claims for delay. Subsequent negotiations have been conducted with counsel for Economy and counsel for Bloomer, the details of which are more fully stated in a letter from the Legal Counsel to President Henry, a copy of which is being filed with the Secretary for record. Economy has now agreed to accept the sum of \$6,431.25 in full payment and satisfaction of all of Economy's claims against the University, and to deliver to the University a complete release. Bloomer has now agreed to accept the sum of \$3,875.00 in full payment and satisfaction of all of Bloomer's claims against the University, and to deliver to the University a complete release.

These amounts represent substantial reductions in the original claims submitted by these contractors, have been arrived at on the same basis as the settlement of the Warren claims for delay approved by the Board in November, 1961, and provide a means whereby expensive and protracted litigation between these contractors and the University will be avoided. For these reasons, the Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel recommend that a final settlement between the University and Economy, and between the University and Bloomer, on the above-mentioned basis be authorized and made, subject to the release by the Governor out of funds appropriated to the University for the construction of the Research and Educational Hospitals Addition of the sums of \$6,431.25 and \$3,857.00 for payment to Economy and Bloomer, respectively.

I concur.

On motion of Mr. Johnston, these settlements were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### CONTRACTS FOR INSTALLATION OF FUME HOODS IN EAST DENTISTRY-MEDICINE-PHARMACY BUILDING

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for furnishing and installing fume hoods in the East Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

Ventilating—Anderson and Litwack Company, Hillside.....	\$31 653 00
Base bid .....	\$22 338 00
Additive alternates	
Service charge for supervision of other contracts assigned to this contractor.....	2 346 00
Installation of eleven additional fume hoods in various rooms .....	6 969 00
Heating and Temperature Control—T. F. Hanley Corporation, Chicago.....	9 921 00
Base bid .....	\$ 9 000 00
Additive alternates for installation of heating and temperature controls for eleven additional fume hoods.....	921 00
Plumbing—Ashland Plumbing and Heating Company, Chicago.....	3 409 00
Base bid .....	\$ 2 232 00
Additive alternates for plumbing installations for eleven additional fume hoods.....	1 177 00
Electrical—Wadeford Electric Company, Chicago.....	3 427 00
Base bid .....	\$ 2 709 00
Additive alternates for electrical installations for eleven additional fume hoods.....	718 00

General — Gerhardt F. Meyne Company, Chicago.....	9 665 00
Base bid .....	\$ 5 640 00
Additive alternates for remodeling work required for installation of eleven additional fume hoods.....	4 025 00
Fume Hoods — Browne-Morse Company, Chicago.....	20 595 60
Base bid .....	\$13 043 88
Additive alternate for eleven additional fume hoods...	7 551 72
Total .....	\$78 670 60

The contracts will provide for the furnishing and installation of thirty fume hoods in chemistry laboratories on the third and four floors of the East Dentistry-Medicine-Pharmacy Building to expand facilities for teaching and research. The hoods were originally designed for installation when the building was constructed, but due to insufficient funds the installation was postponed. The base bid in each case is on installation of nineteen fume hoods; alternates were taken on the installation of eleven more, all of which are needed. The base bids were low enough to permit inclusion of the eleven additional hoods.

It is further recommended that all contracts other than the contract for ventilating work be assigned to the contractor for that work, making the total of his contract price \$78,670.60; and that an agreement be entered into with Anderson and Litwack Company for the assignment of these other contracts for \$2,346 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the contractor for ventilating work.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of all bids received is submitted herewith and a copy is filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### CONTRACT FOR WEATHERPROOFING ROOF DECKS ON BUILDINGS AT THE MEDICAL CENTER

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$4,955 to the Hascek-Melville Corporation, Maywood, for weatherproofing the tile roof decks on the Research and Educational Hospitals and the Dentistry-Medicine-Pharmacy Building, first unit.

Bids were requested both for weatherproofing and for completely removing and replacing the roofs; considering the price differential, it is recommended that the bid for weatherproofing only be accepted.

Funds are available in the Physical Plant maintenance budget.

I concur.

On motion of Mr. Williamson, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### CONTRACTS WITH DEPARTMENT OF MENTAL HEALTH FOR STEAM SERVICE

(21) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of amendments of four existing contracts and two additional contracts with the State Department of Mental Health for steam service from the Medical Center Steam Company to two new buildings being constructed in the Medical Center District.

The Medical Center Steam Company was chartered by the state to construct and operate a central steam plant to provide service to the University and to other institutions in the Medical Center District on a contract basis. The University operates the plant under a contract with the Company. The consumers pay for the

costs of steam, maintenance of utility lines, and a pro rata share of the capital costs of the plant and of extensions of steam lines.

The details of the proposed new contracts and amendments of existing contracts with the Department of Mental Health are submitted herewith and are filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts and amendments were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### CONTRACTS FOR OAK STREET IMPROVEMENT, PARKING LOT CONSTRUCTION, AND TRASH COLLECTION DEPOT

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts, the award in each case being to the lowest bidder:

Oak Street Improvement—General Paving Company Incorporated, Champaign, Illinois .....	\$105 665 45
Paving of Oak Street from Florida Avenue to Stadium Drive, including concrete curb and gutter, drainage, lighting, and the completion of a five-foot sidewalk on the west side of the street.	
Parking Lot Construction—Parro Construction Corporation, Urbana, Illinois .....	166 891 80
Base bid for construction of a 399-space asphalt lot, complete with drainage and lighting, on the south side of Florida Avenue east of Oak Street extended .....	\$136 653 00
Additive alternate for construction of an eight-foot wide concrete sidewalk on the south side of Florida Avenue from First Street to Oak Street....	4 657 80
Additive alternate for construction of an additional 96-space parking area, complete with drainage and lighting, immediately north of the existing compound and east of the parking area to be constructed under the base bid; and for construction of a concrete sidewalk on the west side of First Street from Florida Avenue south to the entrance to the existing compound.....	25 581 00
Trash Collection Depot—General Paving Company Incorporated, Champaign, Illinois .....	56 998 95
Base bid for construction of a trash depot consisting of a concrete structure with elevated ramp, two power-operated rams for compressing trash in containers, drives, drainage, lighting, and security fence .....	\$ 51 221 95
Additive alternate for furnishing and installing two 33-cubic yard trash containers complete.....	5 777 00

It is further recommended that the awards to General Paving Company Incorporated be combined in one contract at a total price of \$162,664.40.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A supporting report from the Physical Plant Department with a schedule of bids received is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**AMENDMENT TO CONTRACT FOR CONGRESS CIRCLE CAMPUS SITE**

(23) The Board of Trustees has authorized a contract with the Chicago Land Clearance Commission for the acquisition by the University of the site for the Congress Circle Campus in Chicago. Pursuant to enabling statutes passed by the 1961 General Assembly, the city of Chicago has since succeeded to the position of the Chicago Land Clearance Commission under the contract.

Under the terms of the agreement the total site was to be conveyed to the University in five stages, the first conveyance to be accomplished by June 30, 1962. The city of Chicago has experienced delays in its land acquisition program, principally by reason of litigation affecting the site, and the conveyancing schedule in the contract is no longer realistic. The City has requested an amendment to the contract to provide new dates for transfers of various portions of the site to the University, the first conveyance to be made prior to May 1, 1963. The proposed new dates have been reviewed by the Director of the Physical Plant and he states that they are compatible with the University's current construction schedule.

The Vice-President and Comptroller and the Director of the Physical Plant recommend that execution of the amendment be authorized.

I concur.

On motion of Mr. Swain, this amendment of the contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**EASEMENTS ON CONGRESS CIRCLE CAMPUS SITE**

(24) The contract by which the University is acquiring title to the Congress Circle Campus site provides that the City will convey title subject to easements for necessary underground public or private utilities. Most of the existing easements lie in city streets and alleys to be vacated prior to the conveyance to the University. These easements appear to be more extensive than they would have been if originally granted over private property. In a few cases the utilities will require new easements on the site, principally for relocation to accommodate the University's construction and to service the University buildings.

Negotiations have been conducted with the public and private utilities for the purpose of narrowing existing easements to the areas reasonably required for the utilities' function, defining the scope of required new easements, securing releases by the utilities of existing easements no longer required by them, authorizing encroachments by the University on existing easements as reflected by the University's present construction specifications, and establishing criteria for permissive encroachment by future University construction. These negotiations are continuing and may be completed prior to the regular May meeting of the Board. It would be desirable to formalize the easement arrangements as soon as possible.

The Vice-President and Comptroller and the Director of the Physical Plant recommend that the Board of Trustees authorize its Executive Committee to take action for the Board in any negotiations with public and private utilities for easements relating to the Congress Circle site in Chicago, including approval of the execution of necessary easement and release documents.

I concur.

On motion of Mr. Johnston, these easements were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**AGREEMENT WITH COMMONWEALTH EDISON COMPANY  
ON VERNON PARK SUBSTATION**

(25) To complete the Congress Circle Campus plan and to avoid the necessity of relocating Commonwealth Edison Company's Vernon Park Substation, and all its underground facilities in the area, the University will construct a screening wall around the Substation. As a result of discussions with Edison representatives, the Vice-President and Comptroller and the Director of the Physical Plant recommend that an agreement with Commonwealth Edison Company be authorized, which agreement would provide for the following:

1. The University may erect on land owned by it a suitable screening around Edison's Vernon Park Substation at the Congress Circle Campus site which will preserve to Edison easy access to the Substation and its facilities in the surrounding area.
2. The University may also reface Edison's Substation building in a manner deemed appropriate by the University, so long as the refacing does not impair the utility of the building to Edison.
3. Edison will permit the University to erect and use an enclosed walkway over the Substation, subject to Edison's reasonable requirements for clearance, access, and liability.
4. Edison will pay the University \$100,000 to be applied toward the cost of this project.

In the placement of the screening wall, an exchange of certain land areas between the University and Edison may be indicated. When and if such exchange is desired, specific Board approval will be requested therefor.

Funds are available in the state capital appropriations to the University from the Universities Building Fund for the Congress Circle Campus and have been released.

I concur.

On motion of Mr. Dilliard, this agreement was authorized.

#### **HOUSING AND HOME FINANCE AGENCY LOAN FOR CONSTRUCTION OF MEDICAL CENTER STUDENT UNION AND HOUSING FACILITY**

(26) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of:

An application to the Housing and Home Finance Agency for a loan of \$2,000,000 for construction of a new Student Union and Housing Facility at the Medical Center in Chicago, this amount representing approximately two-thirds of the estimated cost, the loan to be repaid from student fee income and operations; An issue of \$1,000,000 of revenue bonds to be sold publicly to finance part of the construction cost, the bonds to be amortized from student fee income and operations;

Employment of Chapman and Cutler, Chicago, as counsel for the bond issue; Advertisements for bids on the construction of the building and for the sale of bonds at times deemed most appropriate by the Vice-President and Comptroller.

I concur.

On motion of Mr. Swain, these recommendations were approved, and authority was given as requested by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### **ADDITION TO CONTRACT FOR FIRST ADDITION TO ORCHARD DOWNS APARTMENTS**

(27) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$9,800 in a contract with Shapland Construction Company, Champaign, for construction of the first addition to Orchard Downs for modifications and installation of insulated panels in the living room window wall panels to provide for added temperature control.

Funds are available in the Housing Division budget.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

#### **EMPLOYMENT OF ARCHITECTS**

(28) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of Richardson, Severns, Scheeler, and Associates, Champaign, for architectural services on the University's Research and Training Building at the Mental Health Center at a fee not to exceed 6 per cent of construction costs, which will include preliminary design, working drawings and specifications, preliminary studies for future expansion, and job supervision.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Pogue, this recommendation was approved.

#### COLLEGE OF EDUCATION BUILDING

(29) The Dean of the College of Education and its Executive Committee recommend that the new building for the College now under construction be officially designated as "The College of Education Building."

I concur.

On motion of Mrs. Watkins, this name was approved.

#### ILLINI GROVE

(30) A group of residents of Urbana-Champaign have submitted a petition addressed "To the President and the Board of Trustees of the University of Illinois" that Illini Grove "be maintained in its present condition as a beautiful wooded area for use by the students, faculty, and alumni of the University and the citizens of Urbana-Champaign for recreational purposes," and that in the event a change in the use of Illini Grove is contemplated, they be given an opportunity to appear at a meeting of the Board of Trustees.

I submit the petition, as requested. In replying to those representing the petitioners, I have pointed out that there is no formal recommendation before the Board for the use of Illini Grove as a building site in the near future or for any change in the present use of that facility.

The petition has already been answered and no further action is required.

#### PURCHASES

(31) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

##### *Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
3,000 copies beef equipment plans	Agricultural	Midwest Plan Service,	\$ 2 684 59
2,000 copies descriptive leaflets	Engineering	Iowa State University, Ames, Iowa	f.o.b. delivered
One gas chromatograph with manual temperature programming, variable heat controls, detector collectors and injectors; one continuous type recorder and one disc integrator for use on recorder to be used in a teaching laboratory in chemistry	Chemistry and Chemical Engineering	Wilkins Instrument & Research, Inc., Walnut Creek, Calif.	2 709 20 f.o.b. delivered
One wavelength spectrometer with accessory bar, observation tube, extension mount, spacers and glass plates for use in a teaching laboratory in chemistry	Chemistry and Chemical Engineering	Engis Equipment Co., Chicago	3 038 00 f.o.b. delivered
Three special instrumentation laboratories for use in teaching courses in electronics, instrumentation, and research	Chemistry and Chemical Engineering	Heath Co., Benton Harbor, Mich.	2 686 50 f.o.b. Benton Harbor, Mich.
One universal testing machine, 300,000 pound capacity with load holding mechanism, six ranges, continuous type recorder, six scale ranges, and hydraulic loading and weighing system using fundamental quantities of mass and length	Civil Engineering	Riehle Testing Machines, Division of AMETEK, Inc., Westchester	24 330 00 f.o.b. delivered



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Two duplicators, offset, having printing area capacity up to 9½ in. by 13 in. and accommodate stock sizes from 3 in. by 5 in. to 11 in. by 17 in. with ten ream (5,000) sheet capacity, less trade-in of one offset duplicator, A. B. Dick Model 350	Library	Maglin Office Equipment Co., Champaign	\$ 5 515 00 f.o.b. delivered and installed
One lathe, precision, high capacity, 13 in. by 30 in. centers, 5 ft. 6¼ in. bed, with standard accessories	Mining, Metallurgy, and Petroleum Engineering	LeBlond Machine Tool Co., Oak Park	4 447 00 f.o.b. Cincinnati, Ohio
One machine, vertical, milling, complete with variable speed spindle drive, power table feed, motor, controls and extra collets and end mill adapter	Mining, Metallurgy, and Petroleum Engineering	Couch & Heyle, Peoria	3 981 00 f.o.b. delivered
211 wood laboratory tables, for the Physics Building, Stage II; the sizes are as follows: 110 30 in. by 72 in. 60 36 in. by 72 in. 10 24 in. by 60 in. 15 30 in. by 60 in. 16 30 in. by 84 in.	Physical Plant	E. H. Sheldon Equipment Co., St. Louis, Mo.	20 439 00 f.o.b. delivered and installed
Print and bind 35,000 copies <i>Time Table</i> , first semester, 1963-64, trim size 5½ in. by 8½ in., approximately 344 pages per copy	University Press	Edwards Brothers Inc., Ann Arbor, Mich.	8 905 00 f.o.b. delivered

*Purchases from Institutional Funds*

One lot of laboratory supplies and equipment	Agency for International Development (Faculty of Medicine, Chiangmai Hospital, Thailand)	Will Scientific of New York City, Inc., New York, N.Y.	\$17 995 77 c & f Bangkok, Thailand
Miscellaneous photographic and graphic arts chemicals as requested by Photography Department at Medical Center from July 1, 1963, through June 30, 1965	Illustration Studios, Medical Center	Watland, Inc., Chicago	43 904 00 delivered
Optical goods and services for Illinois Eye and Ear Infirmary patients, July 1, 1963, through June 30, 1965	Ophthalmology	American Optical Co., Chicago	132 629 64 estimated
One six-channel polygraph and accessories, capable of expansion to fourteen channels	Medicine	Sanborn Co., Chicago	10 251 45 delivered
One automatic dual channel liquid scintillation spectrometer, with 200 sample capacity high-speed indexing and reset, completely transistorized	Animal Science	Packard Instrument Co., Inc., La Grange	12 550 00 f.o.b. delivered
One centrifuge, automatic, refrigerated with swinging bucket rotor, four tube carriers, twelve rubber pads, rubber stoppers and autoclavable polypropylene centrifuge tubes for use in research projects in botany requiring use of radioactive materials	Botany	Ivan Sorvall, Inc., Norwalk, Conn.	3 822 70 f.o.b. delivered
One recorder, x-y, adjustable range or adjustable zero from 1 mo. to 20 mo. slide-wire span, coarse and fine zero adjustment on x axis; 100 to 1100 degrees c. linearized scale for y axis; 1 second span x axis and 4 second span y axis; resistance up to 2500 ohms; 9½ in. pen and chart travel; per lifter in x axis	Ceramic Engineering	Leeds & Northrup Co., Munster, Ind.	2 706 44 f.o.b. delivered
Furnish and install barn equipment in the north and south barns of the Lincoln Avenue Dairy Barns, to replace present equipment that has been in service for approximately forty years	Dairy Science	Cisna Park Dairy Equipment, Cisna Park	8 648 27 f.o.b. delivered and installed
2,000 connectors, printed circuit, 22 pin double sided phosphor bronze wire wrapped terminals	Digital Computer Laboratory	Cinch Manufacturing Co., Howard B. Jones Division, Chicago	3 360 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One plotter, instantaneous presentation automatic impedance and transfer characteristic, oscilloscope with a Smith chart display, and with RF equipment required to cover range of 2.5 to 1100 mc.	Electrical Engineering	Alford Manufacturing Co., Boston, Mass.	\$10 964 00 f.o.b. Boston, Mass.
One oscilloscope, 3.5 kv, with eighteen calibrated square wave voltages 0.2 mv to 100 volts, with one dual-trace plug-in unit dc to 10m, one dual-trace plug-in unit dc to 650 kc, one delayed sweep plug-in unit, one wide-band amplifier 5 cps to 17 mc, one oscilloscope camera	Electrical Engineering	Tektronix, Inc., Park Ridge	2 835 00 f.o.b. Beaverton, Ore.
One scanning spectrometer with gratings, interchanging assembly, high resolution, proving ring assembly, mounting plate and power supply for research studies on PN junction lasers which emit light in a very narrow region of the spectrum	Electrical Engineering	Jarrell-Ash Co., Newtonville, Mass.	5 876 00 f.o.b. delivered
Remodel air conditioning system at the Electrical Engineering Monticello Field Station	Electrical Engineering	Nogle & Black, Inc., Champaign	5 183 00 f.o.b. delivered
One gas chromatograph, dual column, temperature programmed with hydrogen flame ionization detectors, to be used in studies of food flavors in dehydrated food items	Food Technology	Micro-Tek Instruments, Inc., Baton Rouge, La.	4 734 25 f.o.b. delivered
One spectrochrom including ph and conductivity meters and four chromatographic columns, for use in the isolation and characterization of individual genetic messages	Microbiology	Spinco Division Beckman Instruments, Inc., Palo Alto, Calif.	23 500 00 f.o.b. Palo Alto Calif.
One zonal ultracentrifuge, temperature control system, continuous flow rotor and gradient pump for use in isolating, on a large scale, bacterial ribosomes and bacterial enzymes	Microbiology	Spinco Division Beckman Instruments, Inc., Palo Alto, Calif.	14 800 00 f.o.b. Palo Alto, Calif.
One biogen unit (continuous flow sterilizer) to be used for continuous cultivation of micro-organisms under controlled and reproducible conditions in research on the properties of various enzymes involved in dissimilatory sulfate reductions	Microbiology	American Sterilizer Co., Chicago	18 100 00 f.o.b. delivered
Three liquid scintillation spectrometers completely transistorized, with dual channels and coincidence system using a pair of matched multiplier phototubes in each instrument, less trade-in of two obsolete spectrometers	Microbiology	Packard Instrument Co., Inc., La Grange	25 150 00 f.o.b. delivered
One pulse height analyzer system, 1024 channel, each channel having a magnetic core memory capable of storing at least 99,999 counts	Physics (Betatron)	Nuclear Data, Inc., Madison, Wis.	18 775 77 f.o.b. delivered
Four detectors, totally depleted, manufactured from silicon wafers, for measurement and identification of particle mass as well as determination of particle energy	Physics (Betatron)	Oak Ridge Technical Enterprises Corp., Oak Ridge, Tenn.	2 575 00 f.o.b. delivered
One tape to typewriter converter	Physics (Betatron)	Tally Register Corp., c/o Pivan Engineering, Chicago	2 840 00 f.o.b. delivered
One tape perforator with takeup reel for eight-level tape			
One tape reader with takeup reel for eight-level tape			
One ultracentrifuge with two rotors for research on the biological activity of nucleic acid fractions from differentiated protozoan cells	Zoology	Spinco Division Beckman Instruments, Inc., Palo Alto, Calif.	9 607 00 f.o.b. delivered
Print and bind 1,500 copies of <i>Key to Trematodes in Animal and Man</i> , by Hisao P. Arai, approximately 416 pages, trim size 8½ in. by 11 in.	University Press	Cushing-Malloy, Inc., Ann Arbor, Mich.	4 871 00 f.o.b. delivered
Print and bind 1,500 copies of <i>Letters of the Lewis and Clark Expedition</i> , by Donald D. Jackson, trim size 6½ in. by 9¼ in., approximately 736 pages per copy	University Press	The Colonial Press, Inc., New York, N.Y.	4 338 65 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Lease 183 miscellaneous 16 mm. films for a one-year period	Visual Aids Service	Encyclopaedia Britannica Films, Inc., Wilmette	\$ 2 885 00 f.o.b. delivered
230 stacking chairs, upholstered over fiberglass shell for use in the new Assembly Hall	Assembly Hall	S. Buckman Furniture & Supply Co., Spring Valley	4 328 01 f.o.b. delivered
Forty-three fixtures, stage lighting, consisting of tormentor raceways, theatrical border lights, and theatrical spotlights for the Assembly Hall	Assembly Hall	Kliegl Bros. Universal Electrical Stage Lighting Co., Inc., New York, N.Y.	23 881 00 f.o.b. delivered
625,000 envelopes, 28 lb., brown kraft, gummed flap, open end, clasp, various sizes	Office Supply Storeroom	Business Envelope Manufacturers, Inc., Melrose Park	10 350 00 f.o.b. delivered
300,000 envelopes, 20 lb. brown kraft, gummed flap, open end, catalog, various sizes			
150,000 envelopes, 20 lb. brown kraft, gummed flap, open end, coin, various sizes			
950,000 envelopes, 20 lb. giant kraft, gummed flaps, various sizes			
An estimated ten-month supply for Office Supply Storeroom stock			
115 folding tables, 30 in. by 72 in. by 29 in., with tempered hardboard surface, plywood core, phenolic backing sheet and angle steel edge, to be distributed to various departments for use as requested	Physical Plant	Rochelle's, Inc., Chicago	2 587 50 f.o.b. delivered
100 each (approximately) fixtures, fluorescent, lighting, for two 40-watt lamps	Physical Plant	Graybar Electric Co., Peoria	9 758 60 f.o.b. delivered
200 each (approximately) fixtures, fluorescent, lighting, for four 40-watt lamps			
600 each (approximately) louvers, plastic for above fixtures			
600 each (approximately) hangers for above fixtures			
To be purchased as required by Physical Plant during the period May 1 through December 31, 1963			
Professional-artistic services to remove the canvas of five portraits of ex-presidents, artistically repair the paintings, and replace in repaired frames	Physical Plant	Louis Pomerantz, Evanston	4 550 00 f.o.b. Evanston
No. 5 fuel oil as required by Medical Center Steam Plant, July 1, 1963, to June 30, 1964; minimum quantity to be purchased will be 8,000 gallons, with option of purchasing additional quantities up to 450,000 gallons	Physical Plant, Chicago	Apex Motor Fuel Co., Chicago	719 20 estimated for 8,000 gallons

On motion of Mr. Johnston, these purchases were authorized.

#### INVESTMENT REPORT

##### Report of the Finance Committee

(32) The Finance Committee reported the following changes in investments of trust funds for the month of January, 1963:

##### *Endowment Pool*

##### *Sale*

5 shares	Standard Oil Company of New Jersey common	\$	296 76
Purchase			
1/2 share	Monsanto Chemical Company common	\$	24 78
\$ 2 000	U. S. Treasury bonds 4 per cent 8/15/72		2 034 38
7 000	Aluminum Company of America 4 1/4 per cent 1/1/82		7 096 25

##### Report of the Comptroller

The Comptroller reports the following changes in investments of unexpended and current funds, over which he has authority as indicated:

*Current Funds*

## Restricted Group (June 20, 1962)

## Purchase

\$500 000	Ford Motor Credit Company notes	6/28/63	\$492 416 67
500 000	Household Finance Corporation notes	6/28/63	492 416 67
500 000	Montgomery Ward Credit notes	6/28/63	492 416 67
600 000	U. S. Treasury bills	1/31/63	598 880 00

## Four-H Memorial Camp (June 20, 1962)

## Purchase

\$ 6 000	U. S. Treasury bonds	2½ per cent	9/15/72	\$ 5 416 88
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*Construction Funds*

## Assembly Hall (June 23, 1959, and March 17, 1962)

## Purchase

\$300 000	U. S. Treasury bills	3/14/63	\$298 651 00
300 000	U. S. Treasury bills	4/15/63	297 923 33
98 000	U. S. Treasury bills	5/16/63	97 062 47

## Illini Union and Health Center (December 21, 1960)

## Sale

\$ 50 000	U. S. Treasury bills	1/15/63	\$ 49 956 46
50 000	U. S. Treasury bills	3/14/63	49 828 50

## Purchase

\$113 000	U. S. Treasury bills	5/16/63	\$111 922 73
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## Illinois Street Residence Halls (October 17, 1962)

## Sale

\$ 10 000	U. S. Treasury bills	2/14/63	\$ 9 988 49
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## Purchase

\$ 15 000	U. S. Treasury bills	7/15/63	\$ 14 784 00
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## Orchard Downs and SG-2 (June 14, 1960)

## Purchase

\$270 000	U. S. Treasury bills	3/21/63	\$268 584 30
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## Peabody Drive (October 21, 1959)

## Purchase

\$157 000	U. S. Treasury bills	3/14/63	\$156 207 89
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## Pennsylvania Avenue Residence Halls

## Purchase

\$170 000	U. S. Treasury bills	2/14/63	\$169 588 65
115 000	U. S. Treasury bills	2/21/63	114 816 64

## Student Services Building (May 17, 1961)

## Purchase

\$ 85 000	U. S. Treasury bills	2/14/63	\$ 84 817 68
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*Sinking Funds*

## Housing Revenue Bonds (December 17, 1958; June 23, 1959; October 21, 1959; June 14, 1960; June 21, 1961; May 24, 1962; and October 17, 1962)

## Purchase

\$111 000	U. S. Treasury bills	3/21/63	\$110 139 20
111 000	U. S. Treasury certificates	3½ per cent 8/15/63	111 450 94

## Men's Residence Halls of 1956 (March 23 and September 18, 1956)

## Purchase

\$ 14 000	U. S. Treasury bonds	3 percent	2/15/64	\$ 14 000 00
1 000	U. S. Treasury notes	3¾ per cent	8/15/64	1 008 75

## Men's Residence Halls of 1957 (March 12, 1957, and November 18, 1959)

## Purchase

\$190 000	U. S. Treasury bonds	3 per cent	2/15/64	\$190 118 75
5 000	U. S. Treasury notes	3¾ per cent	8/15/64	5 056 25

Women's Residence Halls of 1956 (September 18, 1956, and February 15, 1961)

Purchase

\$ 46 000	U. S. Treasury notes	3¾ per cent	8/15/64	\$ 46 373 75
4 000	U. S. Treasury bonds	2¾ per cent	2/15/65	3 955 00

This report was received for record.

### COMPTROLLER'S REPORT OF CONTRACTS

(33) The Comptroller's report of contracts executed during the period March 1 to 31, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Homewood Park District	Appraisal of existing park and recreation areas with recommendations for additional facilities	\$ 600 00	March 7, 1963
Eli Lilly Co.	Ovulation time and active steroids in livestock	2 330 00	March 11, 1963
Truax-Traer Coal Co.	Evaluation of a coal-like substance known as leonardite	9 000 00	March 6, 1963
United States Air Force AF-AFOSR-272-63	Quantum and solid state electronics	57 485 00	February 1, 1963
United States Air Force AF-AFOSR-390-63	Problems related to optical communications	83 718 00	February 1, 1963
United States Air Force AF-19(628)-2391	Electromagnetic wave interaction techniques	30 000 00	February 1, 1963
United States Air Force AF-19(628)-2484	Processes in the ionosphere by means of gyro interaction experiments	40 000 00	October 1, 1962
United States Air Force AF-29(601)-5817	Behavior of soil and rock subjected to high stress levels	50 000 00	March 1, 1963
United States Air Force AF-33(657)-10224	Generating and utilizing coherent electromagnetic radiation in the submillimeter and interwave region	85 000 00	October 1, 1962
United States Air Force AF-33(657)-10474	Electromagnetic and ferret reconnaissance antenna techniques	120 000 00	December 11, 1962
United States Air Force AF-33(657)-10626	Equilibrium solutions of nitrogen in columbium-base alloys	20 000 00	February 1, 1963
United States Air Force AF-33(657)-10659	Information processing capability of signal analysis system	25 000 00	February 1, 1963
United States Army DA-AMC-18-108-63(A)	Mechanism of action of synergists for toxic agents	22 200 00	February 15, 1963
United States Army DA-11-022-AMC-329	Initiation and stability of detonation waves	29 615 00	March 1, 1963
United States Army DA-31-124-ARO(D)-65	Dislocations and point defects	25 000 00	February 1, 1963
United States Army DA-49-193-MD-2399	Determination of free chlorine residuals in water	10 481 00	February 15, 1963
United States Atomic Energy Commission AT(11-1)-1264	Physical, chemical, and biological equilibria in natural waters	29 492 00	February 15, 1963
United States Department of Agriculture 12-14-100-6863(71)	Factors causing digestive disturbances from soybeans	32 460 00	February 28, 1963
United States Department of Commerce Cc-5994	Feasibility of a plastic covered greenhouse vegetable industry in Southern Illinois	11 250 00	February 22, 1963
United States Department of Health, Education, and Welfare OE-3-10-093	Community decision-making and change and their influence upon education	22 291 00	February 15, 1963
United States Department of Health, Education, and Welfare OE-3-16-010	Implications of the new media for the teaching of library science	30 524 00	February 18, 1963
United States Department of Health, Education, and Welfare OE-3-99-047	Prepare a two-year post high school curriculum guide for civil technology	14 250 00	February 25, 1963
United States Department of Health, Education, and Welfare PH-86-63-79	Effects of an endurance exercise program on the serum lipids, total body fat, and selected cardiovascular disease variables	4 320 00	January 20, 1963

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Navy Nonr-3985(01)	Physiological and biochemical factors that influence the formation and germination of bacterial spores	\$ 53 324 00	November 1, 1962
United States Navy Nonr-3985(03)	Microbial ecology	39 138 00	January 1, 1963
United States Navy Nonr-3985(04)	Pre-programmed self-instruction and self-programmed individualized education	33 971 00	February 1, 1963
United States Navy Nonr-3985(05)	Mechanics of failure of glass reinforced plastics under compressive loads	20 000 00	February 1, 1963
<i>Total</i>		<u>\$901 449 00</u>	

**Leases**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Allis-Chalmers Manufacturing Co.	Rental of farm machinery: One forage blower with attachments	\$ 109 14	January 18, 1963
International Business Machines Corp.	I.B.M. equipment: One numeric key punch, one card sorter, two card punches	1 584 00	December, 1962, January and March, 1963
International Harvester Co.	Rental of farm machinery, two items: \$43.07 and \$896.45	939 52	July, 1962, and February, 1963
Massey-Ferguson, Inc.	Rental of farm machinery: One tractor with attachments	302 02	February 27, 1963
<i>Total</i>		<u>\$ 2 934 68</u>	

**Contract Changes**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Crop-Hall Insurance Actuarial Association	Factors producing hailstorms in Illinois	\$ 6 000 00	February 18, 1963
State of Illinois Department of Conservation	Fisheries research	32 500 00	February 14, 1963
United States Air Force AF-33(657)-7619	Time and temperature dependence of the ductile brittle transition in metals	24 959 00	March 14, 1963
United States Army DA-18-108-405- CML-517	Evaluate the behavior of immiscible fluids (gases and liquids) in porous solid media	753 19	March 8, 1963
United States Atomic Energy Commission AT(11-1)-1127	Specialized training through summer institutes in the field of nuclear science	19 618 00	January 15, 1963
United States Atomic Energy Commission AT(11-1)-1142	Field of radio chemistry	36 900 00	February 1, 1963
United States Navy Nonr-1834(03)	Methods of analysis of structural and machine elements	68 000 00	March 18, 1963
<i>Total</i>		<u>\$188 730 19</u>	

**Adjustments Made in 1962-63 Cost-Plus Contracts**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Twenty-five items: \$53.53 deduct to \$1,377.63	\$ 3 371 32	February and March, 1963

**Summary**

Amount to be paid to the University.....	\$1 000 179 19
Amount to be paid by the University.....	6 306 00

This report was received for record.

**ANNUAL REPORT OF THE TREASURER**

(34) In accordance with the By-Laws of the Board of Trustees, the Treasurer of the University has submitted a report of receipts and disbursements of University funds in his custody for the period March 1, 1962, to February 28, 1963, certified by the Comptroller. A copy of this report was sent to each member of the Board

of Trustees prior to today's meeting, and a copy is filed with the Secretary of the Board.

This report was received for record.

#### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, declinations, and terminations; leaves of absence.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

- ANDERSON, TRUMAN O., Assistant Professor of Medicine and of Microbiology (Medicine), six months from March 1, 1963, \$9,000 a year, supersedes (3-13-63).
- BIGGS, CARLETON W., Associate Professor of Art, 27/100 time, June 21-August 9, 1963, \$359, additional (3-11-63).
- BUINAUSKAS, PETER, Research Associate in Surgery (Medicine),  $\frac{3}{4}$  time, six months from March 1, 1963, \$3,000 a year, supersedes (3-13-63).
- CAIRNS, STEWART S., Research Professor of Mathematics, two months from June 16, 1963, \$3,668; this is in addition to his present appointment (3-18-63).
- CURNY, ARNOLD D., Assistant in Ophthalmology (Medicine), nine months from October 1, 1962, without salary (3-4-63).
- DIPERT, ARNOLD W., Instructor in Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$1,112 for the period, supersedes previous Summer Session appointment (3-8-63).
- DIXIT, SARYU NARAIN, Research Associate in Chemistry (Pharmacy), five months from April 1, 1963, \$500 a month (4-2-63).
- DUDLEY, JAMES, Assistant in Education, Summer Session of 1963, July 15-August 10, 1963, \$545 for the period (3-28-63).
- DUGGAN, THOMAS J., Assistant in Sociology,  $\frac{1}{2}$  time, and Research Assistant in the Office of Community Development (Provost's Office),  $\frac{1}{2}$  time, February 1-June 15, 1963, \$2,000, supersedes (3-28-63).
- EGBERT, PAUL R., Associate Professor of Electrical Engineering (C),  $\frac{1}{3}$  time, two months from June 16, 1963, \$696, additional (3-4-63); and, in the Summer Session of 1963,  $\frac{2}{3}$  time, June 17-August 10, 1963, \$1,393 for the period, additional and superseding (3-8-63).
- EMERY, WILLIS L., Professor of Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$2,889 for the period, supersedes previous Summer Session appointment (3-8-63).
- FLEEGER, JAMES L., Research Associate in Dairy Science (S), six months from March 1, 1963, \$6,750 a year (3-18-63).
- FUJII, (MISS) SAKIKO, Assistant in Animal Science (S), March 15-August 31, 1963, \$5,000 a year (3-7-63).
- GARRETT, BARRY E., Research Associate in Chemistry, March 16-August 31, 1963, \$500 a month (4-2-63).
- GLEN, DONALD L., Research Associate in Surgery (Medicine), 95/100 time, January 7-August 31, 1963, \$4,680, supersedes (3-18-63).
- GOLDMAN, ELAINE D., Assistant in Mathematics (Chicago Undergraduate Division), February 1-June 15, 1963, \$511.11 a month (3-13-63).
- GUNTHER, GOTTHARD, Visiting Research Associate Professor of Electrical Engineering (S),  $\frac{1}{2}$  time, nine months from December 1, 1962, \$4,750 a year, supersedes (3-18-63).
- HAMM, CHARLES E., Visiting Lecturer in Music, Summer Session of 1963, June 17-August 10, 1963, \$2,500 for the period (3-8-63).
- HANG, DANIEL F., Associate Professor of Electrical Engineering, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$1,167 for the period; this is in addition to his Summer Session appointment as Associate Professor of Nuclear Engineering,  $\frac{1}{2}$  time (3-8-63).
- HARDING, MRS. SARAH K., Research Associate in Veterinary Pathology and Hygiene (Veterinary Medicine),  $\frac{3}{4}$  time, February 6-August 31, 1963, \$4,900 a year, supersedes (2-28-63).

- HARNISH, BENJAMIN F., Instructor in Architecture, 27/100 time, June 21-August 9, 1963, \$237; this is in addition to his present appointment (3-11-63).
- HAY, WILLIAM W., Professor of General Engineering (C), one month from June 16, 1963, \$1,190; this is in addition to his present appointment (3-1-63).
- HERTZBERG, ALVIN, Visiting Lecturer in Elementary Education, July 1-August 23, 1963, \$2,300 (3-1-63).
- HESELBERTH, CASSIUS A., Instructor in Electrical Engineering, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$578 for the period (3-8-63).
- HUDSON, PAUL K., Assistant Professor of Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$2,112 for the period, supersedes previous Summer Session appointment (3-8-63).
- IBUKI, KIMIO, Visiting Research Associate in the Digital Computer Laboratory, one year from March 16, 1963, to render service during the academic year, \$6,500 (3-21-63).
- JOHNSON, EVELYN L., Library Assistant, June 10-August 31, 1963, \$475 a month (3-28-63).
- JONES, EDWIN C., JR., Assistant Professor of Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$1,689 for the period, supersedes previous Summer Session appointment (3-8-63).
- KAHN, ALAN R., Research Associate in Otolaryngology (Medicine), five months from April 1, 1963, without salary (3-18-63).
- KAUFMANIS, KARLIS, Visiting Lecturer in Astronomy, July 22-August 23, 1963, \$2,050 (3-1-63).
- KONRAD, FRED K., Research Assistant in the Coordinated Science Laboratory (C), six months from March 1, 1963, \$6,000 a year (3-13-63).
- LARSON, BERNT O., Professor of General Engineering (C), full time, June 16-June 30, 1963, \$655, and July 1-August 2, 1963,  $\frac{4}{5}$  time, \$1,311; this is in addition to his present appointment (3-13-63).
- LAVATELLI, LEO S., Professor of Physics, Summer Session of 1963, June 17-August 10, 1963, \$3,000 for the period (3-8-63).
- LINSTER, RICHARD L., Visiting Lecturer in Physics, Summer Session of 1963, June 17-August 10, 1963, \$2,200 for the period (3-8-63).
- MONIGOLD, GERALD E., Instructor in Firemanship Training, Division of University Extension, five months from April 1, 1963, \$6,240 a year (3-25-63).
- NUTTALL, MILDRED, Assistant Professor and Assistant State Leader Home Advisers (Home Economics) (E), five months from April 1, 1963, \$9,300 a year (3-11-63).
- PATRIDGE, ROBERT W., JR., Visiting Lecturer in Electrical Engineering (Chicago Undergraduate Division),  $\frac{1}{2}$  time, five months from February 1, 1963, \$1,500 (3-8-63).
- PEIRCE, MRS. HELEN W., Visiting Lecturer in Elementary Education, July 1-August 23, 1963, \$2,200 (3-13-63).
- PHILLIPS, MONTE L., Instructor in General Engineering (C), academic year beginning September 1, 1963, \$6,500 (3-13-63).
- PIERCE, GAIL, Research Associate in Elementary Education, beginning July 1 and continuing through August 23, 1963, \$1,289 (3-1-63).
- PROBST, FRANKLIN M., Research Assistant Professor in the Coordinated Science Laboratory and of Physics (C), five months from April 1, 1963, \$816.66 a month, supersedes (3-25-63).
- PROTHE, WILBERT C., Senior Research Engineer and Assistant to the Director of the Coordinated Science Laboratory (C), five months from April 1, 1963, \$1,166.66 a month, supersedes (3-14-63).
- PUSZTASZERI, STEPHEN F., Research Assistant in Chemistry, February 20-August 31, 1963, \$5,160 a year (3-19-63).
- RICKS, PHILANDER, JR., Assistant Professor of Obstetrics and Gynecology (Medicine), two months from July 1, 1963, \$1,041.66 a month (3-1-63).
- ROBERTS, MARGARET R., Research Assistant in the State Water Survey, March 4-June 30, 1963, \$433.33 a month (3-11-63).
- RYAN, DAVID G., Professor of Mechanical Engineering (C),  $\frac{1}{3}$  time, two months from June 16, 1963, \$977; this is in addition to his present appointment (3-4-63).
- SASNER, JOHN J., JR., Research Associate in Physiology and Biophysics, six months from March 1, 1963, \$6,600 a year (3-13-63).



- SCHWEITZER, RUSSELL, Assistant Chief Pharmacist in Hospital Pharmacy (Pharmacy), March 11-August 31, 1963, \$8,000 a year (3-13-63).
- SCOTTON, DONALD W., Associate Professor of Marketing, Bureau of Business Management, two months from June 16, 1963, \$2,400, superseding and additional (3-8-63).
- SEGRE, DIEGO, Professor of Veterinary Microbiology and Public Health, Department of Veterinary Pathology and Hygiene (Veterinary Medicine), and of Veterinary Research (Agricultural Experiment Station), and Senior Staff Center for Zoonoses Research, two months from June 16, 1963, \$2,600; this is in addition to his present appointment (3-1-63).
- SIMON, MRS. ELLEN M., Research Associate in Zoology,  $\frac{1}{4}$  time, five months from April 1, 1963, \$166.67 a month (3-18-63).
- SMITH, HELEN L., Visiting Lecturer in Social Sciences (Chicago Undergraduate Division),  $\frac{2}{3}$  time, to render service during the second semester of the academic year, February 1-June 30, 1963, \$2,800 (3-13-63).
- STALLMEYER, JAMES E., Professor of Civil Engineering (C),  $\frac{1}{2}$  time, two months from June 16, 1963, \$844; this is in addition to his present appointment (3-4-63).
- STEVENS, ROLLAND E., Visiting Lecturer in the Graduate School of Library Science, Summer Session of 1963, June 17-August 10, 1963, \$2,000 (3-4-63).
- SUDHOFF, HERBERT A., Executive Officer, Naval Science,  $\frac{1}{10}$  time, eight months from January 1, 1963, \$600 a year (3-18-63).
- VASIL, VIMLA, Research Associate in Agronomy (S), six months from March 1, 1963, \$6,000 a year (3-14-63).
- WHEATLEY, ROBERT C., Visiting Lecturer in Physics, Summer Session of 1963, June 17-August 10, 1963, \$2,000 for the period (3-8-63).
- WILLIAMS, DAVID L., Assistant in Education, Summer Session of 1963, June 17-July 13, 1963, \$545 for the period (3-25-63).
- WILSON, VELMA K., Professor of Music,  $\frac{27}{100}$  time, June 21-August 9, 1963, \$390; this is in addition to her present appointment (3-11-63).

#### FELLOWS

(The following appointments were made by the President of the University.)

- EVENSON, DONALD E., Fortieth Francis J. Plym Fellow in Architecture for 1963-64.
- JOHNSON, THOMAS H., Edward L. Ryerson Traveling Fellow in Landscape Architecture for 1963-64.
- MILBRATZ, WILLIAM P., Twenty-Ninth Francis J. Plym Fellow in Architectural Engineering for 1963.
- WILLIAMS, DONALD L., Edward L. Ryerson Traveling Fellow in Architecture for 1963-64.

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- BOSTROM, JANE P., United States Public Health Service Fellow (Nurse Trainee) in Nursing, January 2-August 10, 1963, and September 30-December 20, 1963, \$200 a month (3-6-63).
- BOTTORFF, RALPH S., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,360, supersedes (2-28-63).
- BRODER, STEFAN I., United States Public Health Service Fellow (Trainee) in Biological Chemistry, five months from February 1, 1963, \$1,000 (2-6-63).
- BRYSKIN, LARRY, United States Public Health Service Fellow (Trainee) in Psychiatry, February 1-June 15, 1963, \$300 (2-20-63).
- DEARMOND, MERVIN K., United States Public Health Postdoctoral Fellow (Trainee) in Chemistry, one year from February 1, 1963, \$6,000 (3-20-63).
- GEMRICH, EDWIN G., II, Fellow in Entomology, two months from June 16, 1963, \$375 (3-30-62).
- GILBO, DONNA M., United States Public Health Service Fellow (Nurse Trainee) in Nursing, January 2-June 7, 1963, and September 30-December 20, 1963, \$200 a month (3-6-63).
- LITWACK, MARCIA D., United States Public Health Service Fellow (Trainee) in Biological Chemistry, March 15-June 30, 1963, \$670.81 (3-6-63).
- ROEDER, ROBERT C., Fellow in Astronomy, June 16-August 31, 1963, \$750 (3-19-63).

- THOMAS, JOHN A., United States Public Health Service Fellow (Trainee) in Chemistry, February 1-June 15, 1963, \$1,000 (2-19-63).  
 WAINIO, ANNA M., United States Public Health Service Fellow (Nurse Trainee) in Nursing, January 2-June 7, 1963, and September 30-December 20, 1963, \$200 a month (3-6-63).  
 WINN, DIANA L., United States Public Health Service Fellow (Nurse Trainee), in Nursing, January 2-August 10, 1963, and September 30-December 20, 1963, \$200 a month (3-6-63).

#### RESIGNATIONS, DECLINATIONS, AND TERMINATIONS

- ALLEN, ARNON R., Assistant Professor of Agricultural Law—resignation effective May 17, 1963.  
 CARLSON, ALAN R., Charles E. Merriam Fellow in Political Science—resignation effective March 28, 1963.  
 DOOLEY, RAYMOND W., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science—resignation effective March 16, 1963.  
 FISHER, ROGER J., Research Assistant in Sociology—resignation effective March 1, 1963.  
 GUIRE, PATRICK, Research Assistant in Chemistry—resignation effective April 1, 1963.  
 ICHIMARU, SETSUO, Research Associate in Physics—resignation effective April 1, 1963.  
 KOSANKE, ROBERT M., Associate Professor of Botany—resignation effective April 1, 1963.  
 MICHEL, PIERRE E. J., Visiting Lecturer in English, Summer Session of 1963—declination effective June 17, 1963.  
 MOSS, JAMES W., Assistant Professor of Education, in the Institute for Research on Exceptional Children—resignation effective September 1, 1963.  
 PASTERNAK, ROBERT F., Research Associate in Chemistry—resignation effective March 14, 1963.  
 PETERSON, HELEN C., Research Associate in the Bureau of Economic and Business Research—resignation effective April 1, 1963.  
 POSTGATE, JOHN R., Visiting Professor of Microbiology—resignation effective April 1, 1963.  
 REES, MRS. CANDIDA K., Instructor in Mathematics (Chicago Undergraduate Division)—resignation effective March 13, 1963.  
 RESEK, ROBERT W., Assistant Professor of Economics, Summer Session of 1963—declination effective June 17, 1963.  
 RONE, JAMES W., Research Assistant in Civil Engineering—resignation effective March 16, 1963.  
 ROSS, DONALD A., Instructor in Psychology (Psychiatry) and in the Department for Crippled Children (Medicine)—declination effective September 1, 1962.  
 RUSKIN, BYRON, Assistant in Pathology—termination effective October 1, 1962.  
 SAMUELS, ARNOLD, Part-time Medical Student Research Fellow in Biological Chemistry—termination effective February 1, 1963.  
 STAGER, ROBERT A., Fellow in Chemical Engineering—resignation effective March 30, 1963.  
 STEINKAMP, STANLEY W., Assistant Professor of Economics, Summer Session of 1963—declination effective June 17, 1963.  
 STENDLER, CELIA B., Professor of Education, Summer Session of 1963—declination effective June 17, 1963.  
 TOMASSON, RICHARD F., Assistant Professor of Sociology, Summer Session of 1963—resignation effective June 17, 1963.

#### LEAVES OF ABSENCE

- APPLEQUIST, DOUGLAS E., Associate Professor of Organic Chemistry—leave of absence, without pay, for six months from March 1, 1964, so that he may accept a visiting professorship at Harvard University.  
 LÜSCHER, EDGAR, Research Associate Professor of Physics, and in the Coordinated Science Laboratory—leave of absence, without pay, from August 1, 1963, through August 31, 1964, so that he may spend that time in research at the Max Planck Institute for Astrophysics in Munich, Germany.

SCOTT, ROBERT E., Professor of Political Science—leave of absence, without pay, for one year from September 1, 1963, so that he may do research work at the Brookings Institution in Washington.

TOMASSON, RICHARD F., Assistant Professor of Sociology, and in the Division of General Studies—leave of absence, without pay, for two years from September 1, 1963, so that he may spend that period in research at universities in Sweden.

#### **EX OFFICIO ASSIGNMENTS OF PRESIDENT OF THE BOARD**

President Clement announced that in view of his duties as President of the Board he is asking to be relieved of the following assignments:

University of Illinois Foundation. The President of the Board of Trustees or a member of the Board designated by him is ex officio a member of the Board of Directors of the University of Illinois Foundation. Mr. Clement announced that he is designating Mr. Williamson as his replacement, to serve until further notice.

University Retirement System. Mr. Clement asked that some other member of the Board be elected to replace him on the Board of Trustees of the University Retirement System of Illinois.

On motion of Mr. Johnston, Mr. Pogue was unanimously elected as a member of the Board of Trustees of the University Retirement System of Illinois. The other previously elected representatives are Mr. Hughes and Mr. Williamson.

#### **STANDING COMMITTEES FOR 1963-64**

President Clement called attention to the fact that standing committees of the Board are usually appointed by its President shortly after the March meeting. He stated that he had deferred making appointments for 1963-64 in anticipation that the vacancy on the Board, vice Judge Richard A. Harewood, would soon be filled so that the new Trustee could be included in committee assignments. He further stated that he would make the appointments in the near future after consultation with Trustees concerning their preferences.

#### **USE OF UNIVERSITY FACILITIES FOR ADDRESSES BY CANDIDATES FOR PUBLIC OFFICE**

President Clement requested the Committee on General Policy to review the University's current policy governing the use of campus facilities by candidates for election to public office to determine if the policy should be revised and to make a recommendation to the Board.

#### **EXECUTIVE SESSION**

President Clement announced that an executive session has been requested, and was being ordered, for consideration of reports and recommendations relating to property acquisitions and certain faculty appointments, and that this session would be held following a recess.

On motion of Mrs. Watkins, the Board recessed at 12:00 noon.

The Board reconvened at 1:30 p.m., and the same members and officers of the Board were present at the executive session as recorded at the beginning of these minutes, with the exception of Mr. Ray Page and Mr. R. R. Manchester, who asked to be excused; the same officers of the University were present as recorded at the beginning of these minutes with the exception of Mr. George H. Bargh, Mr. Fred H.

Turner, and Mr. Paul R. Shaffer. The Board considered the following recommendations for land acquisitions.

**PURCHASE OF PROPERTY AT 1307 WEST MAIN STREET, URBANA**

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 1307 West Main Street, Urbana, Illinois, at a price of \$29,000, required as part of the site for construction of the new Civil Engineering Building.

The property consists of a lot 66 feet by 132 feet (8,712 square feet) and is improved with a two-story and basement frame dwelling.

The Committee on Buildings and Grounds has been consulted regarding this purchase and recommends approval.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Swain, the purchase of this property, at the price recommended, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

**ACQUISITION OF PROPERTY AT 208 NORTH  
ROMINE STREET, URBANA**

(2) Representatives of the University have been negotiating for the purchase of the property at 208 North Romine Street, Urbana, Illinois, required as a part of the site for construction of the new Civil Engineering Building.

The property consists of a lot 66 feet by 66 feet (4,356 square feet) and is improved with a two-story and basement frame dwelling.

A price of \$25,000, based on appraisals secured by the University, was suggested to the owner who was advised that if the price is agreed to, a recommendation would be made to the Board of Trustees for purchase of the property. The price is not acceptable to the owner, whose asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees exercise its power to acquire the property by eminent domain and authorize condemnation proceedings for its acquisition.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution.

**Resolution Authorizing Condemnation of Property at  
208 North Romine Street, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

The North one-half ( $\frac{1}{2}$ ) of Lot Five (5) In Block Fifty-one (51) of the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign, in the State of Illinois

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for a site for a Civil Engineering Building and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said

owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Johnston, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

#### APPOINTMENTS TO THE ACADEMIC STAFF

President Clement recalled to the attention of the Board suggestions which have been made and discussed at meetings of Board committees that special consideration be given to appointments to the faculty and permanent tenure positions of qualified Negroes. He stated that he will appoint a special committee to consider the matter in consultation with appropriate University officers.

On motion of Mr. Johnston, the Board adjourned.

A. J. JANATA  
Secretary

HOWARD W. CLEMENT  
President

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**May 15, 1963**



The May meeting of the Board of Trustees of the University of Illinois was held in Chicago, Illinois, on Wednesday, May 15, 1963, in two sessions: in the Chicago Illini Union Building at the Medical Center, beginning at 11:00 a.m.; and in the LaSalle Hotel, beginning at 7:30 p.m. The evening session was scheduled for the award of contracts for the construction of Congress Circle and was held in the LaSalle Hotel for the convenience of the public and particularly representatives of contractors and others interested in the Congress Circle projects.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Wayne A. Johnston and Governor Otto Kerner were absent. Mr. Johnston joined the meeting for the evening session and Mr. Page asked to be excused following the recess at the conclusion of the forenoon session.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker of the Chicago Undergraduate Division, Vice-President Joseph S. Begando of the University of Illinois at the Medical Center, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Donald C. Neville and Mr. Edward S. Sefcik, Assistants to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**  
The Board took up consideration of the following reports and recommendations from the President of the University.

#### **PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

#### **AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
JAMES ANDREW BARBER	Hazel Crest, Illinois	New York
CECIL JOHN McDOWELL	Creve Coeur, Missouri	California

I concur.

On motion of Mr. Hughes, these certificates were awarded.

#### **ADVISORY COMMITTEE FOR THE COLLEGE OF VETERINARY MEDICINE**

(2) The Dean of the College of Veterinary Medicine recommends the following appointment and reappointments to the Advisory Committee for the College of Veterinary Medicine for terms ending August 31, 1965:

WILLIAM J. KUHFUSS, President, Illinois Agricultural Association, Bloomington (new)

DONALD I. DEAN, Route 3, Champaign (reappointment)

A. B. McCONNELL, Woodstock (reappointment)

I concur.

On motion of Mr. Swain, these appointments were approved.

#### **APPOINTMENTS TO THE UNIVERSITY OF ILLINOIS CITIZENS COMMITTEE**

(3) I submit the following nominations for appointments to the University of Illinois Citizens Committee for a period of three years beginning January 1, 1963.

HERBERT P. BICKNELL

Farmer

Lovington, Illinois

JAMES BROWN IV

Executive Director, Chicago  
Community Trust

10 South LaSalle Street

Room 1340

Chicago 3, Illinois

FRANCIS A. BOYLE

Farmer

McNabb, Illinois

EVERY BRUNDAGE

Executive

10 North LaSalle Street

Chicago 2, Illinois

M. WENDELL CARLTON, D.D.S.

Dentist

McLeansboro, Illinois

MARVIN CHANDLER

President, Northern Illinois Gas

Company

50 Fox Street

Aurora, Illinois

MRS. SHERRET S. CHASE

Homemaker

612 South Main Street

Sycamore, Illinois

CHARLES S. CRAIGMILE

President, Belden Manufacturing

Company

415 South Kilpatrick Avenue

Chicago 44, Illinois

PERCY L. JULIAN

President, The Julian Laboratories, Inc.

9352-58 West Grand Avenue

Franklin Park, Illinois

J. L. PALMER  
President, Marshall Field and Company  
25 East Washington Street  
Chicago 2, Illinois

JAMES B. PARSONS  
District Judge, United States District  
Court for the Northern District of  
Illinois  
219 South Clark  
Chicago 4, Illinois

GEORGE RUSSELL SCHWARZ  
Attorney  
103 North State Street  
Jerseyville, Illinois

JAMES G. THOMAS  
Attorney  
501 First National Bank Building  
Champaign, Illinois

ERNEST HARPER UTTER  
County Judge, Schuyler County  
Court House  
Rushville, Illinois

ROBERT H. VORIS  
Editor, *Waterloo Republican*  
Waterloo, Illinois

SAMUEL W. WHITE, JR.  
President, Oliver Corporation  
400 West Madison Street  
Chicago 6, Illinois

On motion of Mr. Williamson, these appointments were approved.

#### APPOINTMENTS TO THE FACULTY

(4) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. CLARENCE C. LEVERENZ, Director of Union and Housing, in the Physical Plant Department, Medical Center Campus, beginning May 16, 1963, at an annual salary of \$10,700 (DY).
2. ELBERT EUGENE OLIVER, Associate Dean of Admissions and Records, for two years beginning September 1, 1963, with rank of Associate Professor on indefinite tenure, at an annual salary of \$15,000 (BY, AY).
3. KAMAL NATH SHARMA, Visiting Research Assistant Professor of Psychology and of Physiology, beginning May 1, 1963, at an annual salary of \$8,940 (DY).
4. ANTONIO TOVAR, Professor of the Classics, beginning September 1, 1963, at an annual salary of \$13,500 (A).
5. HERBERT C. QUAY, Associate Professor of Psychology and Special Education, on indefinite tenure, and Research Director of the Children's Research Center, from September 1, 1963, at an annual salary of \$16,500 (AY, BY).

On motion of Mr. Pogue, these appointments were confirmed.

#### HEADSHIP OF THE DEPARTMENT OF MICROBIOLOGY

(5) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Dr. L. Leon Campbell as Professor of Microbiology on indefinite tenure and Head of the Department of Microbiology beginning September 1, 1963, to succeed Professor Kimball C. Atwood who has asked to be relieved of his administrative responsibilities to devote full time to teaching and research. The salary of this position will be determined when the budget for 1963-64 is submitted to the Board of Trustees for approval.

This recommendation is submitted after consultation with all members of the Department of Microbiology and is supported by the Executive Committee of the School of Life Sciences, the Dean of the Graduate College, and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Hughes, this appointment was approved.

#### DEPARTMENT OF INDUSTRIAL ADMINISTRATION

(6) After consultation with the members of the two departments concerned, and with the concurrence of the Executive Committee of the College, the Dean of the College of Commerce and Business Administration recommends that the Department of Management and the Department of Business Law be merged into a single Department of Industrial Administration which will more nearly meet the requirements of present day education for business. The present Acting Head of the Department of Management, Professor Irvin L. Heckmann, is leaving the University to become Dean of the College of Business Administration at Creighton



University, and Professor Kenneth U. Flood, Acting Head of the Department of Business Law, has asked to be relieved of his administrative assignment to devote full time to teaching and research.

The Dean also recommends the appointment of Dr. E. Joe DeMaris, Associate Professor of Accountancy, as Head of the Department of Industrial Administration for two years from September 1, 1963. The salary of this position will be determined when the budget for 1963-64 is presented to the Board of Trustees for approval.

The Executive Vice-President and Provost and the Dean of the Graduate College concur in these proposals.

I recommend approval.

On motion of Mr. Swain, these recommendations were approved.

#### DEANSHIP OF COLLEGE OF LIBERAL ARTS AND SCIENCES CHICAGO UNDERGRADUATE DIVISION

(7) The Vice-President for the Chicago Undergraduate Division recommends the appointment of Dr. Glenn Terrell, Jr., presently Professor of Psychology and Associate Dean of Arts and Sciences at the University of Colorado, as Professor of Psychology on indefinite tenure and Dean of the College of Liberal Arts and Sciences at the Chicago Undergraduate Division for two years, beginning September 1, 1963, at an annual salary of \$21,000 on a twelve-month service basis.

This appointment is within the new organizational framework of the University of Illinois at Congress Circle as previously authorized by the Board of Trustees. The recommendation is submitted after consultation with the Academic Advisory Council at the Chicago Undergraduate Division and the Dean of the College of Liberal Arts and Sciences at Urbana, and is concurred in by the Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

#### CERTIFICATE OF ADVANCED STUDY IN LIBRARIANSHIP

(8) The Urbana-Champaign Senate recommends authorization of a proposal from the Graduate School of Library Science approved by the Executive Committee of the Graduate College to grant a Certificate of Advanced Study in Librarianship for those persons who wish to take specialized courses in librarianship beyond the master's degree but are not seeking a doctor's degree.

The requirements are: (1) a master's degree from an accredited library school; (2) successful completion of at least two years' work in a library subsequent to receiving the master's degree; and (3) completion of eight units of graduate courses at the University of Illinois at least half of which shall be in the Graduate School of Library Science with grades meeting the Graduate College standards.

The Senate Coordinating Council has advised that no other Senate jurisdiction is involved.

I concur, subject to further action by the Board of Higher Education.

On motion of Mr. Swain, this recommendation was approved.

#### SUMMER SPEECH CLINICS

(9) The Director of the Division of Services for Crippled Children and the Vice-President of the Medical Center Campus recommend, and I concur, that the Division be authorized to continue speech clinics during the summer of 1963 at the following institutions of higher education in Illinois on a reimbursable cost basis:

	<i>Estimated Cost</i>
Augustana College, Rock Island.....	\$ 9 585 00
Northern Illinois University, DeKalb.....	12 265 00
Southern Illinois University, Carbondale.....	11 215 00
Illinois State Normal University, Normal.....	11 576 66
	<b>\$44 641 66</b>
A similar clinic at the University of Illinois at Urbana.....	\$14 305 00

Funds are available in the budget of the Division of Services for Crippled Children.

On motion of Mr. Williamson, authority was given as requested.

#### UNITED STUDENT AID FUNDS, INCORPORATED

(10) United Student Aid Funds, Incorporated (USAF) is a private non-profit corporation established to assist needy students at institutions of higher education to obtain low-cost loans from local banks. It raises, holds, and invests reserve funds which are used to match institutional funds to underwrite these bank loans. Its national center endorses the loans; it serves other agencies interested in endorsing student loans, both private and public in character; and it offers consulting services at no cost to banks, foundations, and others interested in providing low-cost student loans.

Under the plan, the first \$1,000 deposited by an educational institution for this purpose is matched by USAF in an equal amount, and the total is placed in its reserve fund. Based upon this reserve of \$2,000, the sum of \$25,000 in student loans may be obtained by eligible students from local banks at a 6 per cent simple interest rate, such loans being endorsed by USAF. Deposits placed in the reserve by the educational institution in addition to the original \$1,000 may be matched in whole or in part, and the aggregate sum creates a reserve for endorsed loans of twelve and one-half times the reserve. At any time that a deposit by an educational institution is not being used for guaranteeing loans, it may be withdrawn from USAF upon thirty days' notice.

The educational institution has no responsibilities or obligations in making or collecting the loans other than to certify that the student is enrolled and is in good academic standing, and to report any change in his status. The responsibilities of making, recording, and collecting the loan are assumed by the lending bank. USAF receives grants from foundations, industrial corporations, and other sources, which make it possible to match contributions by educational institutions in whole or in part. At the present time USAF has several hundred thousand dollars which have been earmarked for this purpose. All contributions by educational institutions in excess of the basic \$1,000 (which is matched dollar for dollar) will be matched to some degree if made prior to May 31, 1963. USAF advises that the Illinois Bankers Association has indicated that it will recommend to its member banks that they participate in this program.

It is proposed that on a trial basis an initial deposit of \$2,000 be made, which, if matched dollar for dollar, would make possible the endorsement of loans totaling \$50,000. The University of Illinois has no funds which it may use for this purpose. However, the Board of Directors of the University of Illinois Foundation has allocated \$2,000 from uncommitted gifts for this purpose, and the allocation may be increased to \$5,000 or more if the program works out satisfactorily. It will make available very substantial sums for student loans under conditions which can not be met by funds presently available to the University of Illinois or the University Foundation.

The University must, however, be a party to setting up this program of student loans, and it is recommended that the Board of Trustees authorize execution of a contract with United Student Aid Funds, Incorporated, to deposit up to \$5,000 of funds allocated by the University of Illinois Foundation for this purpose.

On motion of Mr. Swain, this recommendation was approved.

#### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(11) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

##### *Urbana-Champaign*

1. College of Engineering
 

Department of Theoretical and Applied Mechanics, facilities and equipment .....	\$ 7 300 00
Department of Civil Engineering, equipment .....	5 100 00
2. College of Liberal Arts and Sciences
 

Department of Zoology, teaching materials .....	6 000 00
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3. Library, library additions .....

26 000 00

<b>4. Physical Plant Department</b>	
Remodeling in Animal Science Laboratory for Department of Dairy Science .....	3 400 00
Installing electrical service in Old Agronomy Storehouse for Department of Forestry .....	3 480 00
Installing water lines to Machine Shed for Department of Plant Pathology .....	7 000 00
Remodeling and air conditioning in Lincoln Hall for Bureau of Educational Research .....	12 240 00
Installing air conditioners in offices in Gregory Hall for College of Education .....	3 330 00
Remodeling in Central Receiving buildings for Department of Civil Engineering .....	6 590 00
Constructing a sidewalk in front of Women's Gymnasium .....	4 000 00
Remodeling offices and laboratories in Natural History Building .....	20 240 00

*Chicago Undergraduate Division*

<b>5. College of Engineering</b>	
Department of Physics, equipment (matching funds for Atomic Energy Commission grant) .....	6 000 00

*Medical Center*

<b>6. College of Pharmacy</b>	
Department of Chemistry, equipment .....	6 237 80
<b>7. Research and Educational Hospitals</b>	
Operating Rooms, equipment .....	4 250 00
Department of Radiology, equipment .....	18 000 00
To supplement operating budget for 1961-62 .....	103 000 00
<i>Total, University General Reserve</i> .....	(242 167 80)

The Committee on Nonrecurring Appropriations also recommends the following assignments of funds for the Medical Center from Indirect Costs, General:

<b>8. Medical Research Laboratory, animal cages and equipment</b> .....	100 000 00
<i>Grand Total</i> .....	\$342 167 80

On motion of Mr. Hughes, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner.

**CONTRACTS FOR CONSTRUCTION OF THE SOUTH ADDITION  
TO THE ADMINISTRATION BUILDING**

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of a south addition to the Administration Building, the award in each case being to the lowest bidder:

General — Kuhne-Simmons Co., Inc., Champaign .....	\$1 032 095
Base bid .....	\$1 024 900
<b>Additive alternates</b>	
Service charge for supervision of other contracts assigned to this contractor .....	13 336
Installing acoustical ceilings in classrooms .....	747
Installing venetian blinds .....	2 018
<b>Deductive alternates</b>	
Omitting metal lath .....	— 8 906
Omitting "critical-path method" of scheduling for job control .....	No change
<b>Electrical — Square Deal Electrical Contracting, Inc., Urbana</b> .....	
Base bid .....	121 025
Additive alternate for starters for added air conditioning .....	118 500
	2 525
<b>Plumbing — F. R. Inskip, an individual doing business as F. R. Inskip and Company, Champaign</b> .....	
	69 972

Heating and Air Conditioning — Bellis and Miller, Inc.,		
Champaign .....		195 628
Base bid .....	153 761	
Additive alternate for added refrigeration machine....	41 867	
Ventilating and Sheet Metal—Petry Roofing and Sheet		
Metal Company, Champaign.....		102 300
Total .....		\$1 521 020

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work making the total of his contract \$1,521,020; and it is further recommended that an agreement be entered into with Kuhne-Simmons Company, Inc., for the assignment of these other contracts for \$13,336, which amount is included in the contract price, being the amount bid by the Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, subject to release by the Governor.

Submitted herewith is a report from the Physical Plant Department including a summary of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner.

#### CONTRACTS FOR CONSTRUCTION OF THE FIRST ADDITION TO THE UNIVERSITY PRESS BUILDING

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of the first addition to the University Press Building on Gregory Drive, Champaign, the award in each case being to the lowest bidder:

General—English Brothers Company, Champaign, Illinois.....		\$300 680
Base bid .....	\$294 980	
Additive alternate for service charge for supervision of other contracts .....	8 600	
Deductive alternate for omitting acoustical ceiling treatment —	2 900	
Electrical—G. L. Wilskey, an individual doing business as		
Downtown Electric, Urbana, Illinois.....		74 575
Plumbing—David William Reichard and David Warren Reichard, a partnership doing business as David W. Reichard Plumbing and Heating, Urbana, Illinois.....		
		29 500
Heating—Reliable Plumbing and Heating Company, Champaign, Illinois		112 539
Ventilating—Reliable Plumbing and Heating Company, Champaign, Illinois.....		70 490
Total .....		\$587 784

It is also recommended that a combined contract be awarded to Reliable Plumbing and Heating Company in the amount of \$183,029, being the total of the amounts bid by that Company on the heating and ventilating work.

It is further recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract \$587,784; and that an agreement be entered into with the English Brothers Company for the assignment of these other contracts for \$8,600, which amount is included in the contract price, being the amount bid by the Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, subject to release by the Governor.

Submitted herewith is a report from the Physical Plant Department including a summary of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner.

**CONTRACTS FOR AIR CONDITIONING STUDENT RESIDENCE HALL  
AT THE MEDICAL CENTER**

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for air conditioning the offices, lounge, dining room, and kitchen areas in the Medical Center Student Residence Hall, the award in each case being to the lowest bidder:

Heating, Refrigeration, and Temperature Controls—National Korectaite Company, Chicago .....			\$51 505
Base bid .....			\$39 674
Additive alternates			
Service charge for supervision of other contracts assigned to this contractor .....			1 231
Supplement cooling capacity in dining room area .....			4 472
Air conditioning offices, Rooms 216, 216A, and 217 .....			2 669
Supplement cooling capacity for lounge and recreation room .....			3 459
Ventilation—Narowetz Heating and Ventilating Company, Chicago .....			10 970
Base bid .....			9 700
Additive alternates			
Air conditioning offices .....			1 100
Supplement cooling capacity for lounge and recreation room .....			170
Plumbing—Fettes, Love, and Sieben, Inc., Chicago .....			913
Electrical—Midwest Interstate Electrical Construction Co., Chicago .....			7 372
Base bid .....			6 768
Additive alternates			
Supplement cooling capacity in dining room area .....			144
Air conditioning offices .....			175
Supplement cooling capacity for lounge and recreation room .....			285
General—Mutual Contracting Company, Chicago .....			10 561
Base bid .....			5 883
Additive alternates			
Supplement cooling capacity in dining room area .....			446
Air conditioning offices .....			2 125
Supplement cooling capacity for lounge and recreation room .....			2 107
<b>Total .....</b>			<b>\$81 321</b>

The work will include furnishing and installation of equipment and supply systems to air condition the lounge, dining room, recreation room, offices, and kitchen areas.

It is further recommended that all contracts other than the contract for heating, refrigeration, and temperature controls be assigned to the contractor for that work, making the total of his contract price \$81,321; and that an agreement be entered into with the National Korectaite Company for the assignment of these other contracts for \$1,231, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the contractor for heating, refrigeration, and temperature controls.

Funds are available in the Operation and Maintenance account of the University of Illinois Colleges of Dentistry, Medicine, and Pharmacy Revenue Bonds, Series of 1951, which were issued to finance Chicago housing projects and remodeling of the second unit of the Dentistry-Medicine-Pharmacy Building.

A schedule of all bids received is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner.

**LEASE WITH CHICAGO CHAPTER, AMERICAN RED CROSS, FOR DIVISION OF SERVICES FOR CRIPPLED CHILDREN, CHICAGO OFFICE**

(15) The Chicago Office of the Division of Services for Crippled Children has occupied 4,700 square feet of space in the State of Illinois Building at 160 North LaSalle Street, Chicago, Illinois, since July 1, 1951. Due to additional space needs of the State Department of Finance, the Division has been requested to vacate the building. Sufficient space is not available in University facilities, so it is necessary to lease in a commercial building.

Suitable space consisting of 4,800 square feet has been located in the building of the Chicago Chapter, American Red Cross, at 43 East Ohio Street, Chicago, Illinois. The lessor agrees to pay for the necessary remodeling and to furnish heat, water, air conditioning, decorating, and janitor service for a rental charge of \$4.25 per square foot per year, or an annual charge of \$20,400. This rate is reasonable considering the location and standard of quality of the quarters.

For the period July 1, 1951, through June 30, 1955, the Division made a rental payment to the state of Illinois of \$12,900 per year. Subsequently, the state appropriations to the Division for contractual services were decreased by that amount and the Division has occupied the space rent free.

The Director of the Division of Services for Crippled Children, the Vice-President at the Medical Center, and the Vice-President and Comptroller recommend authorization of a lease with the Chicago Chapter, American Red Cross, for space at an annual rental of \$20,400 for the period July 1, 1963, through June 30, 1965, with the option to renew for two successive two-year periods from July 1, 1965, to June 30, 1969; with the lessor having the right to increase rent for the period July 1, 1967, to June 30, 1969, if the operating expenses of the building should increase, such increase in rent to be limited to 4.8 per cent of the total increase in operating costs of the building.

I concur.

On motion of Mr. Swain, this lease was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner.

**ANNEXATION OF LAND BY THE URBANA AND CHAMPAIGN  
SANITARY DISTRICT**

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of annexation of the following described area of University property by the Urbana and Champaign Sanitary District:

The South 264 feet of the area bounded by Florida Avenue, First Street, St. Mary's Road, and the Illinois Central Railroad;  
All University-owned land between First Street and the Illinois Central Railroad, south of St. Mary's Road and north of the south line of Section 24 R8E (Shapland Road extended).

The area to be annexed includes the site of the proposed Firemanship Training College and the Mental Health Center. The University is requesting legislation to transfer the Mental Health Center site to the State Department of Mental Health, which concurs in the proposed annexation. Annexation is necessary to provide for the treatment of sewage from these sources. A plat of the area including the legal description is being filed with the Secretary of the Board for record as part of this recommendation.

I recommend that the Secretary and the Comptroller be authorized to execute the petition and any other documents necessary to effect the annexation, subject to approval of the Legal Counsel.

On motion of Mr. Swain, this annexation was approved by the fol-

lowing vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner.

#### EMPLOYMENT OF ARCHITECTS AND ENGINEERS

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of architectural and engineering firms for the projects and on the terms as indicated below.

Berger-Kelley-Unteed and Associates, Champaign, Illinois, on Mathematics Office Building, at a fee of 6 per cent of the amount of the construction contracts, work to include preliminary planning, working drawings, specifications, and supervision of construction.

Frazier, Raftery, Orr, and Fairbank, Geneva, Illinois, on restoration of Hull House Mansion and Dining Room, at a fee of actual cost of authorized renderings and actual cost of professional personnel employed on a time card basis, plus 150 per cent of time card representing overhead and commission, work to include development of exploratory designs and renderings, working drawings, specifications, and supervision of construction. The University will have the right to limit the work to development of exploratory designs and renderings at a cost not to exceed \$1,500.

Waldron Associates, Inc., Haddonfield, New Jersey, on critical path scheduling services for Congress Circle Campus, at fees as follows:

Conducting a three-day contractor-University workshop, \$1,800.

Consulting services at a per diem of \$200, plus travel costs to develop a skeleton network, a multiproject control system and integration with monthly progress reports and accounting payments, a transfer network (moving of equipment, library, etc., to new facilities), and updating for two monthly periods.

Funds are available in the state capital appropriations to the University from the Universities Building Fund, subject to release by the Governor on the two Congress Circle projects; funds for the Mathematics Office Building have already been released.

I concur.

On motion of Mr. Pogue, these recommendations were approved.

#### CONTRACT FOR MECHANICAL AND ELECTRICAL ENGINEERING SERVICES

(18) By authority of the Board, the consulting engineering firm of Brown, Manthei, Davis, and Mullins, Champaign, has been employed by the University for incidental mechanical and electrical engineering services to the Physical Plant Department in planning new construction and remodeling work on a standing contract through which change orders have been issued for specific assignments, mostly small jobs best handled by a local firm.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a new contract with Brown, Manthei, Davis, and Mullins for consulting services for a period of two years beginning July 1, 1963, on the same terms and conditions as in previous contracts: a rate of \$7.50 per hour for the time of the four partners, services of other personnel to be billed at actual hourly standard rates paid by the firm, plus 100 per cent for overhead costs and commission.

The cost of this consulting service will be charged against construction budgets of projects for which the firm is employed.

I concur.

On motion of Mr. Hughes, this recommendation was approved.

#### PURCHASES

(19) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from

Appropriated Funds (i.e., from state appropriations to the University), and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

*Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Approximately 270,700 sheets and 58 rolls of Eastman, Ansco, and du Pont medical x-ray film to be used at the Medical Center and Urbana campuses during the year beginning July 1, 1963, through June 30, 1964, subject to renewal for one year by mutual agreement (Note: This purchase will be made from both Appropriated Funds, \$93,464.69, and Institutional Funds, \$17,767.94, for a total of \$111,232.63.)	Medical Center	John V. Doehren Co., Chicago Eastman and du Pont Moss X-Ray & Medical Equipment Co., Chicago Anasco	\$82 086 39  29 146 24 delivered
Approximately 385 cylinders of anesthetic gases to be used by various departments at the Medical Center during the year beginning July 1, 1963, through June 30, 1964, subject to renewal for one year by mutual agreement	Medical Center	Air Products & Chemicals, Inc., Forest Park	5 188 50 delivered
Approximately 4,200,000 cubic feet of bulk oxygen to be used in the Research and Educational Hospitals from July 1, 1963, through June 30, 1965	Medical Center	National Cylinder Gas Division of Chemetron Corp., Cicero	14 490 00 delivered
Approximately 100,000 pounds cut dry ice and 150 fifty-pound cylinders carbon dioxide to be used at the Medical Center during the year beginning July 1, 1963, through June 30, 1964, subject to renewal for one year by mutual agreement	Medical Center	Liquid Carbonic, Division of General Dynamics, Chicago	5 150 00 delivered
One 9 in. image amplifier with cine and television attachments	Pediatrics	Picker X-Ray Corp., Chicago	46 000 00 delivered
Approximately 1,600 millicuries radioactive isotopes to be used by the Isotope Laboratory for the period from July 1, 1963, through June 30, 1964	Radiology	E. R. Squibb & Sons, Division of Olin Mathieson Chemical Corp., Franklin Park	7 428 80 delivered
Window-washing service between July 1, 1963, and June 30, 1964, as follows: two washings for the Research and Educational Hospitals and Neuropsychiatric Institute, and three washings for the staff apartment building	Physical Plant Department, Medical Center	Alex Wasleff Building Maintenance Co., Chicago	2 616 00
Laundrying service of approximately 90,000 pounds of 8 oz. bath towels, during the period of July 1, 1963, through June 30, 1965, for the Department of Physical Education at the Chicago Undergraduate Division	Physical Education, Chicago Undergraduate Division	Bissell Laundry, Inc., Chicago	5 400 00
Removal of rubbish, building debris, from the University of Illinois Navy Pier for the period July 1, 1963, through June 30, 1965	Physical Plant Department, Chicago Undergraduate Division	Anchor Scavenger Service, Berwyn	2 900 00
Continuous cloth towel service of approximately 42,000 rolls as needed during the period of July 1, 1963, through June 30, 1965, at the Medical Center and the Chicago Undergraduate Division	Chicago Colleges and Divisions	American Linen Supply Co., Chicago	21 000 00
One gas chromatograph with automatic attenuator, recorder, ionization attachment, and fraction collector for use in analysis of fats, tissue lipids, and derivatives of fatty materials in the Burnside Research Laboratory	Animal Science	F & M Scientific Corp., Avondale, Pa.	6 111 00 f.o.b. delivered
One centrifuge, automatic, refrigerated, with two large capacity rotors to be used in a teaching laboratory for work with enzymes and cellular fractionation	Chemistry and Chemical Engineering	Ivan Sorvall, Inc., Norwalk, Conn.	2 885 00 f.o.b. delivered



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One painting entitled "General Studies," by Stuart Davis, selected from the 1963 Festival of Arts Contemporary American Painting and Sculpture exhibition	College of Fine and Applied Arts	The Downtown Gallery, Inc., New York, N.Y.	\$ 8 000 00 f.o.b. delivered
One painting entitled "Paris Roofs," by Loren MacIver, selected from the 1963 Festival of Arts Contemporary American Painting and Sculpture exhibition	College of Fine and Applied Arts	Pierre Matisse Gallery Corp., New York, N.Y.	7 600 00 f.o.b. delivered
One language laboratory, thirty-two student positions, all positions audio, active compare, and including one year full-service contract	Language Laboratory	Carroll Seating Co., Chicago	14 300 00 f.o.b. delivered and installed
One transistorized pulse-height analyzer system consisting of a basic 400-channel analyzer, one paper tape printer with built-in 750 to 1200 volt high voltage power supply and rack mount adapters for the above (Note: This purchase will be made from both Appropriated Funds, \$7,075.00, and Institutional Funds, \$3,300.00, for a total of \$10,375.00.)	Physical-Betatron	Technical Measurements Corp., Chicago	7 075 00 f.o.b. delivered
Nine issues <i>Illinois Alumni News</i> , approximately 32,000 copies per issue, sixteen 11 in. by 17 in. pages per copy, June, July, October, November, December, 1963, and February, March, April, June, 1964	Alumni Association	E. W. Petty Co., Effingham	26 442 56 f.o.b. delivered
Three issues <i>Illinois Alumni News</i> , approximately 30,000 copies per issue, eight 11 in. by 17 in. pages per copy, spring and fall, 1963, and spring, 1964			
Print and bind 1,500 copies of <i>Symbolic Crusade</i> , by Joseph C. Gusfield, trim size 6 in. by 9 in., approximately 208 pages per copy	University Press	Pantagraph Printing & Stationery Co., Bloomington	2 852 32 f.o.b. delivered
Print and bind 1,500 copies of <i>The Origins of Teapot Dome, Progressives, Parties, and Petroleum, 1909-21</i> , by J. Leonard Bates, trim size 6 in. by 9 in., approximately 328 pages per copy	University Press	Vail-Ballou, Inc., New York, N.Y.	4 046 26 f.o.b. delivered
69,500 (approximately) prints, photo, glossy, clear and legible, 2 1/4 in. by 3 1/4 in., of student I.D. cards for school year 1963-64	Security Office	Piles Camera Shop, Inc., Decatur	2 618 07 f.o.b. delivered
Furnish and install 446 fixed pedestal chairs with tablet arms in sixteen classrooms in Physics Building, Stage II	Physical Plant Department, Architectural Division	Blackwell Wielandy Co., St. Louis, Mo.	8 334 50 f.o.b. delivered and installed
Mowing equipment consisting of the following: One tractor, gas operated One cutterbar mower, side mounted One rotary cutter Less trade-in of one tractor, 1946, complete with cutterbar, to be used at the University of Illinois-Willard Airport, Savoy	Institute of Aviation	R. W. Riegel, Tolono	4 230 00 f.o.b. delivered

*Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Approximately 218,000 sterile disposable hypodermic needles in assorted sizes to be used during the period from July 1, 1963, through June 30, 1964, subject to renewal for one year by mutual agreement	Medical Center Stores	American Hospital Supply Corp., Evanston	\$ 8 365 52 delivered
One lot of laboratory equipment and supplies consisting of three microscopes and accessories, one microscope body, 150 ounces microscope cover glasses, six pipet jars, fifty gross microscope slides, six stop watches, and 1,494 bottles reagent chemicals	Medical Center Stores	Aloe Scientific, Schiller Park	4 294 70 delivered

Item	Department	Vendor	Cost
Approximately 3,600 pints whole human blood (Rh positive and Rh negative), 400 pints heparinized blood, and 350 pints ACD siliconized blood, to be supplied as needed by the Research and Educational Hospitals for the period from July 1, 1963, through June 30, 1964, with the option to renew for one additional year by mutual agreement	Blood Bank, Chicago	Interstate Blood Bank, Inc., Chicago Chicago Blood Donor Service, Chicago Mt. Sinai Medical Research Foundation Michael Reese Research Foundation	\$ 40 000 00 40 000 00 20 000 00 10 000 00 (110 000 00)
Three plastic inner rooms to be installed in two existing rooms in the Research and Educational Hospitals	Clinical Research Center	Standard Safety Equipment Co., Palatine	5 380 60 delivered
Porcelain denture teeth as requested by the Prosthodontics Clinic from July 1, 1963, through June 30, 1964	Prosthodontics Clinic	Harry B. Price, Inc., Chicago	3 000 00 delivered
No. 5 standard fuel oil delivered to Navy Pier as required by the Undergraduate Division Power Plant; 255,000 gallons, subject to 10 per cent increase or decrease	Physical Plant Department, Chicago Undergraduate Division	Apex Motor Fuel Co., Chicago	25 216 95 total estimated expenditure for the maximum quantity
Eighteen recorders, automatic portable liquid level, curvilinear type with fully jeweled clocks, six-inch floats, counterweights, thirty-foot perforated tapes, to comply with federal specifications	Agricultural Engineering	Belfort Instrument Co., Baltimore, Md.	5 166 00 f.o.b. delivered
One nuclear system for automatically assaying radioactive samples with a thin end window geiger tube, scintillation counter and windowless flow counter, complete with cables to operate with a scaling instrument	Agronomy	Nuclear Chicago Corp., Des Plaines	3 640 83 f.o.b. delivered
One microscope stand with slideways for nosepieces, collector tube, lamp socket, diaphragm insert and accessories, including an apochromatic and planapochmat lens	Animal Science	W. H. Kessel & Co., Chicago	2 815 30 f.o.b. delivered
Twenty-five farrowing units, each unit to consist of one 6 ft. by 8 ft. house, one 6 ft. by 6 ft. outside pen with a special hardwood floor, watering trough, and sanitary trough, and one feeder	Animal Science	Marting Manufacturing Co., Washington Court House, Ohio	3 218 75 f.o.b. delivered
Twenty feeding units, each unit special, seven-stall, for limiting sow rations, size 12 ft. long by 6 ft. wide by 3 ft. 11 1/4 in. high, units to be constructed of hardwood	Animal Science	Morrow Lumber Co., Knightstown, Ind.	3 191 00 f.o.b. delivered
One frequency synthesizer (generator) with power supply and with fixed frequencies of 1 mc, 40 mc, 100 kc, 10 kc, 1 kc, and 100 c/s	Chemistry and Chemical Engineering	ITT Industrial Products Division, c/o Cossens & Cudahy, Chicago	5 645 00 f.o.b. San Fernando, Calif.
One harmonic amplifier			
One set standard accessories			
One set recommended accessories			
One oscilloscope, sampling, 10 nano-second/cm sweep time	Chemistry and Chemical Engineering	Tektronix, Inc., Park Ridge	3 644 50 f.o.b. Beaverton, Ore.
One dual trace plug-in amplifier			
One time base plug-in unit with delayed sweep 0.5 microseconds/cm to 1 second/cm			
One sampling sweep plug-in			
One dual trace plug-in			
Two probes			
One scope movable cart			
Thirty-two sense amplifiers	Digital Computer Laboratory	Hamilton Standard, Broad Brook, Conn.	2 617 60 f.o.b. destination
1500 diodes, type IN3730 (RD750)	Digital Computer Laboratory	Raytheon Co., Franklin Park	2 835 00 f.o.b. delivered
One microscope system including camera, xenon discharge lamp, equipped for vertical illumination with various lens and objective accessories for use in examination of PH junction lasers	Electrical Engineering	W. H. Kessel and Co., Chicago	6 523 00 f.o.b. delivered

Item	Department	Vendor	Cost
One heart-lung mechanical unit including pumps, pediatric type oxygenator, heat exchanger and filters for research and investigation of the central nervous system by the Biophysical Laboratory of the Department of Electrical Engineering	Electrical Engineering	International Medical Instrument Corp., Stoneham, Mass.	\$ 3 602 00 f.o.b. delivered
One furnace, diffusion, bench size, double shell, three circuits complete with 2½ in. I.D. alumina liner for research work in the new Materials Research Laboratory	Electrical Engineering	Hevi-Duty Electric Co., Division of Basic Products Corp., Watertown, Wis.	3 697 00 f.o.b. delivered
One interferometer base and precision screw, including mirror carriage, case, leveling screws, telescope and assembly	Electrical Engineering	Engis Equipment Co., Chicago	3 680 00 f.o.b. delivered
One gas chromatograph, dual column, capable of independent operation at different temperatures, two temperature programmer units, two recorders and two temperature ionization detector cells, to be used on analysis of fats in the Burnside Research Laboratory	Food Technology	Barber-Colman Co., Industrial Instruments Division, Chicago	10 416 51 f.o.b. delivered
Construct 26 ft. by 30 ft. steel frame addition to existing steel frame building south of Horticulture Field Laboratory	Food Technology	Harshbarger Building & Supply Co., Urbana	6 281 19 f.o.b. delivered and erected
One anemometer, constant temperature, hot film	Mechanical and Industrial Engineering	Lintronic Laboratories, Ithaca, N.Y.	3 017 00 f.o.b. Ithaca, N.Y.
One analyzer, random signal			
One microvolt potentiometer, 0 to 111,111.0 microvolts in steps of 0.1 microvolts and 0 to 11,111.10 in steps of 0.01 microvolts, six-digit precision, thermal emfs less than 0.01 microvolt	Physics	Minneapolis-Honeywell Regulator Co., Chicago	5 430 00 f.o.b. Denver, Colo.
One photoelectric galvanometer			
One spotlight galvanometer			
One potentiometer, laboratory, high precision, capable of measurement to 0.01 microvolts in range of 0 to 0.016 volts	Physics	Minneapolis-Honeywell Regulator Co., Harvey	2 850 00 f.o.b. delivered
Print and bind 5,000 copies each of the following Illini paperback titles, trim size of all titles 5½ in. by 8 in.: <i>Life in a Mexican Village</i> , by Oscar Lewis, approximately 544 pages per copy <i>Cultural Sciences</i> , by Florian Znaniecki, approximately 448 pages per copy <i>Three Presidents and Their Books</i> , by Arthur Bestor, David C. Mearns, and Jonathan Daniels, approximately 144 pages per copy <i>The Legend of Noah</i> , by Don C. Allen, approximately 248 pages per copy <i>The Mathematical Theory of Communication</i> by Claude E. Shannon and Warren Weaver, approximately 128 pages per copy	University Press	Cushing-Malloy, Inc., Ann Arbor, Mich.	10 000 00 f.o.b. delivered
Print and bind 2,500 copies of <i>The Galvanized Yankees</i> , by D. Alexander Brown, trim size 6 in. by 9 in., approximately 264 pages per copy	University Press	Phillips Brother's, Inc., Springfield	4 140 00 f.o.b. delivered
Print and bind 2,000 copies <i>Open Door to Learning</i> , by Herman R. Allen, trim size 5½ in. by 8½ in., approximately 208 pages per copy	University Press	Pantagraph Printing & Stationery Co., Bloomington	3 065 35 f.o.b. delivered
Print and bind 1,000 copies (hardbound) and 5,000 copies (paperbound) <i>Philosophy and Ordinary Language</i> , edited by Charles E. Caton, trim size 5½ in. by 8 in., approximately 264 pages per copy	University Press	Cushing-Malloy, Inc., Ann Arbor, Mich.	2 681 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One mobile radio communication system, consisting of: antenna tower system, base station, five mobile units, one portable unit	Division of Rehabilitation-Education Services	General Electric Co., c/o Stewart Electronics, Champaign	\$ 3 118 11 f.o.b. delivered
26,000 test books for use in the Illinois Statewide High School Testing Program being conducted in the Office of Educational Testing	Office of Educational Testing	The Psychological Corp., New York, N.Y.	4 001 40 f.o.b. delivered
Laundry and dry cleaning for Air Force R.O.T.C. basic uniform items as follows for the period of July 1, 1963, through June 30, 1965 (total estimated quantities for the period)	Military Property Custodian	Nelson's Cleaners, Champaign	6 694 50 f.o.b. delivered
One truck, 1963 model, van type, complete with body, roll up door, and hydraulic tail gate, less trade-in of one truck, van type, 1957 model	Purchasing Office Central Receiving Station	International Harvester Co., Springfield	2 955 74 f.o.b. delivered
Miscellaneous photographic films, plates, and papers as requested by various University departments of both the Champaign-Urbana and Chicago campuses for the period of July 1, 1963, through June 30, 1965	Various Departments, Urbana and Chicago	Eastman Kodak Stores, Inc., Chicago	58 090 00 f.o.b. delivered
Paper pads, writing type, 100 sheets each, as follows: 1,500 lbs. 3 in. by 5 in. white, not ruled 2,500 lbs. 4 in. by 6 in. white, not ruled 10,000 lbs. 8½ in. by 11 in. white, not ruled 2,500 lbs. 5½ in. by 8½ in. white, not ruled 4,000 lbs. 8½ in. by 11 in. canary, not ruled 250 gross 8½ in. by 11 in. white, ruled 150 gross 8½ in. by 11 in. canary, ruled for Office Supply Storeroom stock; an estimated twelve-month supply	Office Supply Storeroom	Rockwell-Barnes Co., Elk Grove Village	11 477 27 f.o.b. delivered
14,400 rolls cellophane tape and 5,328 rolls paper masking tape to be used for stock in the Office Supply Storeroom; it is estimated to be a ten- to twelve-month supply, delivered in two shipments, July and October, 1963	Office Supply Storeroom	W. M. Putnam Co., Bloomington	4 805 76 f.o.b. delivered
One air compressor, 250 cubic feet per minute capacity, rotary type, complete with diesel engine, mounted on four wheel running gear less credit for trade-in of one obsolete air compressor, 1942 model, manufactured by Ingersoll-Rand Co., 105 cubic feet per minute capacity	Physical Plant Department	Baker-Hall Equipment Co., Summit	8 080 00 f.o.b. delivered
Water filtering equipment consisting of two filter shells with attachments and two sets pressure gauges filter media to be used in improvement program for Huff Gymnasium swimming pool	Physical Plant Department	Modern Water Equipment Co., Freeport	3 536 79 f.o.b. delivered
Three air-conditioning units, horizontal ceiling mounted	Physical Plant Department	The Trane Co., Peoria	3 583 00 f.o.b. delivered
One air-conditioning unit, factory coupled for window mounting as a single unit	Physical Plant Department	The Trane Co., Peoria	3 583 00 f.o.b. delivered
Fifteen police overcoats made from 30 oz. blue American "beaver cloth" Forty-four police uniform jackets made from 19 oz. American "elastique" Forty-four police uniform pants made from 19 oz. American "elastique" Forty-four police caps, winter 180 police shirts, poplin (winter) 180 police shirts "airflow" (summer)	Physical Plant Storeroom	Gerber Manufacturing Co., Inc., Mishawaka, Ind.	4 604 24 f.o.b. delivered
Three truckloads (6,675 gallons, approximately) synthetic floor finish to be delivered in June, 1963, with options for one truckload delivery in October, 1963, and another truckload delivery in March, 1964	Physical Plant Storeroom	Maintenance Supply Corp., Springfield	11 214 00 f.o.b. delivered

On motion of Mr. Swain, these purchases were authorized.

**COMPTROLLER'S REPORT OF CONTRACTS**

(20) The Comptroller's report of contracts executed during the period April 1 to 30, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
National Aeronautics and Space Administration NsG-379	World-wide investigation of the D and lower E regions of the ionosphere in relation to the IQSY	\$ 27 425 00	February 1, 1963
United States Army DA-36-039-AMC-02208(E)	Development of techniques for ultimate military applications in accordance with secret technical guide lines and plasma research	1 400 000 00	March 29, 1963
United States Department of Health, Education, and Welfare OE-3-10-101	Secondary school programs for gifted students in English, social science, mathematics, and science and elementary school programs for gifted students in scientific inquiry	275 958 00	April 15, 1963
United States Department of Health, Education, and Welfare OE-3-99-073	Prepare a course of study for highway engineering aides	5 600 00	March 26, 1963
<b>Total</b>		<b>\$1 708 983 00</b>	

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Ice Attractions, Inc.	Presentation of "Ice Capades" (seven performances)	70 per cent of gross proceeds	January 22, 1963

**Contract Changes**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Agricultural Chemicals Division, Shell Chemical Corp.	Evaluation of chlorinated hydrocarbon compounds as insecticides	\$ 2 500 00	March 15, 1963
United States Army DA-36-039-SC-85122	Techniques for military applications	250 000 00	March 29, 1963
United States Army DA-36-039-SC-87232	Fundamental properties of high density gaseous plasmas	21 525 00	March 20, 1963
United States Atomic Energy Commission AT (11-1)-415	Unclassified research on electronic high-speed digital computers	500 000 00	March 19, 1963
United States Navy Nonr-1834 (17)	Current problems of solid state and surface physics of semiconductors	30 000 00	March 28, 1963
United States Navy Nonr-1834 (29)	Develop techniques and instrumentation for measuring acoustic attenuation	11 578 00	March 19, 1963
United States Steel	Behavior of deformed wire fabric in concrete	2 000 00	April 2, 1963
<b>Total</b>		<b>\$317 603 00</b>	

**Adjustments Made in 1962-63 Cost-Plus Contracts**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Sixteen items: \$314.77 deduct to \$750.00	\$ 1 911 75	March and April, 1963

**Summary**

Amount to be paid to the University.....	\$2 526 586 00
Amount to be paid by the University.....	1 911 75

This report was received for record.

**QUARTERLY REPORT OF THE COMPTROLLER**

(21) The Comptroller presented his quarterly report to the Board as of March 31, 1963.

This report was received for record, and a copy has been filed with the Secretary of the Board.

### EMPLOYMENT OF AUDITORS

(22) Mr. Williamson, for the Finance Committee, presented the following recommendation and moved its approval.

The firm of Lybrand, Ross Brothers, and Montgomery was employed to audit the accounts of the University of Illinois for the year ended June 30, 1961, with the understanding that the firm would be employed for additional years, subject to annual review. The Board retained the firm for the audit for the year ended June 30, 1962.

The services of Lybrand, Ross Brothers, and Montgomery have been very satisfactory. The firm proposes to complete the audit for the year ending June 30, 1963, at the prevailing hourly rates for college and university audits, plus cash expenses, with the understanding that the aggregate charges will not exceed the following amounts, which are the same as were approved for the audit for the preceding year:

University of Illinois, including reports on revenue bond funds.....	\$22 300
University Retirement System of Illinois.....	2 200
University of Illinois Alumni Association.....	600
University of Illinois Athletic Association, including Retirement System..	1 000
University of Illinois Foundation.....	1 500

In accordance with the usual practice, the auditing firm will submit its reports jointly to the Board of Trustees and to the Auditor General. The firm of Lybrand, Ross Brothers, and Montgomery is acceptable to the Auditor General.

The Finance Committee recommends the employment of Lybrand, Ross Brothers, and Montgomery for the audit of University accounts for the fiscal year ending June 30, 1963.

This recommendation was approved without dissent.

### ACTION BY AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS

(23) President Henry presented the following report:

For the information of the Board of Trustees, I report the receipt of the following letter dated April 30, 1963, addressed to me by the General Secretary of the American Association of University Professors, confirming an earlier telegram:

The Forty-Ninth Annual Meeting of the American Association of University Professors today voted censure upon the administration of the University of Illinois, Urbana, Illinois, by approval of a Committee A recommendation which reads:

On April 7, 1960, President David D. Henry of the University of Illinois wrote a letter concurring in the recommendation of the Executive Committee of the College of Art and Sciences that Professor Leo F. Koch be suspended immediately from his academic duties. President Henry's letter also said: "His appointment will terminate at the end of the current academic year." Professor Koch was under contract through August of 1961.

Subsequently, in accord with normal academic due process, Professor Koch was given a hearing before a standing committee of the faculty Senate. That hearing group found that Professor Koch had committed a breach of academic responsibility but also held that the University administration had failed to use proper procedures and thereby lessened the teacher's power to make a proper defense. The Senate committee recommended that Professor Koch be reprimanded, that the Statutes of the University be revised, and that the University make clear that the expression of views by a faculty member which might be contrary to prevailing opinion in the community is not a violation of academic responsibility.

The Board of Trustees held a hearing on the case on June 14, 1960, and dismissed the teacher.

Committee A concludes that the prejudgment embodied in the President's letter, the failure of the Board of Trustees, without adequate declared reason, to support the unanimous recommendation of the Senate committee and, most important, the imposition of the drastic sanction of discharge for Professor Koch's public expression of opinion constitute violations of academic due process and academic freedom.

Committee A recommends that the University of Illinois be placed upon the Association's list of Censured Administrations.

While I do not feel that a full response to the Association's communication is in order at this time because there is still pending before the courts of this state litigation instituted by Mr. Koch, I take this occasion to comment on the issues cited in the AAUP action and to correct certain statements appearing therein. All of the materials upon which the following statements are based were before Committee A of the AAUP and were authorized by the University for distribution to the AAUP convention delegates.

#### A. REFERENCES TO REPORT OF THE URBANA SENATE COMMITTEE ON ACADEMIC FREEDOM

The Committee A recommendation adopted by the Association and quoted above states that the Urbana Senate Committee on Academic Freedom, after finding that Mr. Koch had committed a breach of academic responsibility, (1) held that the University "had failed to use proper procedures and thereby lessened the teacher's power to make a proper defense"; (2) recommended that Mr. Koch be reprimanded; (3) recommended that the Statutes of the University be revised; and (4) recommended that the University state that "expression of views by a faculty member which might be contrary to prevailing opinion in the community" does not constitute a violation of academic responsibility.

(1) *The procedural issues raised by the Senate Committee.* The Urbana Senate Committee on Academic Freedom did state in its report dated May 13, 1960, that the actions of the administrative officers of the University were regarded as being in some respects "contrary to the standards of proper procedure in dismissal cases." However, conformity with the dismissal procedures established in the University Statutes was questioned only on the point of my informing Mr. Koch in the April 7, 1960, letter that his contract would be terminated, when the power to discharge was reserved to the Board of Trustees in the University Statutes.

It is important to note that at no time in the proceedings did Mr. Koch or his attorneys assert they were being denied a full opportunity to present all of his defenses. Even the AAUP communication acknowledges that "Subsequently, in accord with normal academic due process, Professor Koch was given a hearing before a standing committee of the faculty Senate" and "The Board of Trustees held a hearing on the case on June 14, 1960. . . ."

The Senate Committee's suggestion that Mr. Koch could be subject to prejudice in the final outcome of his case by certain procedural steps was directed mainly to the wording of my April 7, 1960, letter and its public release and the lack of a formal hearing prior to suspension.

It is clear, as noted above, that the letter did not in any way diminish Mr. Koch's powers to present a defense, nor did it in fact compromise his position before the Board of Trustees. Both in the Board's Findings and Conclusions entered on June 14, 1960, in the Koch proceedings, and in the later September 21, 1960, report of the Board's Committee on General Policy in response to an Open Letter from certain members of the faculty, the Board of Trustees found that the exceptional circumstances existing in the Koch situation justified the public statement of charges in advance of hearing and that such public release and the language of my April 7, 1960, letter did not operate to his prejudice in the Board's consideration of his case. You will recall that your findings in the Koch matter on June 14, 1960, included the following:

30. This Board of Trustees further finds that the action of the President of the University in releasing to the public press on April 7, 1960, the press release . . . was rendered desirable, appropriate, and proper in view of the publicity which Assistant Professor Koch's above mentioned letter to *The Daily Illini* and its publication in that newspaper had received . . . and this Board of Trustees further finds that the making of said release to the public press did not violate or infringe upon Assistant Professor Koch's academic freedom or operate to his prejudice in the consideration and disposition which this Board of Trustees is making of the charges preferred against Assistant Professor Koch by the President of the University and the recommendation submitted by the latter to this Board of Trustees that action be taken by it terminating Assistant Professor Koch's appointment at and employment by the University on August 31, 1960.

Whether the April 7, 1960, letter was framed in terms of "dismissal" or "recommendation for dismissal" was of no real significance in this case. Further, once it was decided that charges should be submitted to the Board of Trustees, their ultimate publicity was inescapable, as was the necessity of a Board decision on the gravity of Mr. Koch's action.

As to the lack of a formal hearing before suspension, Mr. Koch did not ask for one even though his department head informed him of the seriousness of his action nor did he at any time contend that the facts upon which suspension was made were in dispute.

(2) *The Senate Committee's recommendation for reprimand.* The telegram correctly states the Senate Committee's unanimous recommendation that Koch be reprimanded. My comments on this point are contained in Part B below.

(3) *Revision of University Statutes.* The Senate Committee's recommendation that the University Statutes on academic freedom be amended is in the process of implementation. On March 29, 1963, the Senate Coordinating Council forwarded to me its recommendations for amendments to these sections of the University Statutes, which include, among other proposals, modifications of existing hearing procedures. Informational copies of the recommendations were transmitted to AAUP under date of April 9, 1963. Pursuant to our existing Statutes I have referred these Council recommendations to the Senates at the three campuses so that each may express whatever objections it wishes to record. In the near future I will present to you for your consideration these proposed statutory amendments, any objections which may be recorded by a Senate, and my recommendations for action.

(4) *Senate Committee's request for clarification of academic responsibility.* As to the Senate Committee's recommendation for the University to indicate that "expression of views by a faculty member which might be contrary to prevailing opinion in the community" does not violate academic responsibility, the June 14, 1960, Findings and Conclusions of the Board in the Koch proceeding, and the September 21, 1960, report of the Board's Committee on General Policy, make it abundantly clear the Board recognizes that the limits of academic freedom can not be defined by the test of conformity or nonconformity between views expressed by a member of the University's faculty and views, beliefs, and standards commonly accepted. The Board stated its position that any *responsible* expression of views by the faculty, even though unpopular and, possibly, untenable, is in order. Guide lines for "responsible expression" were there indicated by the Board of Trustees but it cautioned that they did not include "incitement to, or condonation or encouragement of subversion, fraud or immoral conduct, and that the application of this exception is a matter of judgment under established procedures."

#### B. CONCLUSIONS OF AAUP AND ITS COMMITTEE A

The conclusions of the AAUP, as expressed in the approved recommendation of its Committee A, were that "academic" due process and academic freedom were violated by (1) "the prejudgment embodied in the President's letter, (2) the failure of the Board of Trustees, without adequate declared reason, to support the unanimous recommendation of the Senate Committee and, (3) most important, the imposition of the drastic sanction of discharge for Professor Koch's public expression of opinion."

(1) *The prejudgment issue.* I have previously commented on the fact that the wording and publicity of the charges was not and could not have been the central "academic due process" question. My April 7, 1960, letter was recognized and treated by Mr. Koch, his counsel, and the Board of Trustees as a preferment of charges and a recommendation for his dismissal. There was never any dispute as to the basic facts in the Koch matter. He freely admitted (even stipulated) that he wrote the letter to *The Daily Illini*, that he signed it as "Assistant Professor of Biology," and that he desired the same published in that newspaper, the subscribers and readers of which were primarily, though not exclusively, University students and faculty members and townspeople of Champaign-Urbana.

Under our present Statutes the President alone has the duty and responsibility for preferring charges against a member of the faculty. Once the decision is made to prefer charges and recommend discipline, there is an element of "prejudgment" by the President in the sense that he has exercised and announced his



decision on the facts before him in advance of the hearings before the Senate Committee on Academic Freedom and the Board of Trustees, to which the faculty member is entitled. This type of prejudgment exists in every disciplinary case, regardless of the language used in framing the charges or recommendations.

If, as the AAUP seems to say, any prejudgment constitutes a violation of "academic" due process and academic freedom, it would be impossible to prefer charges in any case, even when there are undisputed or admitted facts which demonstrate that a faculty member has committed an offense involving the most repugnant kind of moral turpitude.

The AAUP's conclusion as to prejudgment can not be explained in terms of the effect of the wording of my April 7, 1960, letter on the Board of Trustees at the time it held its hearing and reached its decision in the Koch matter. The Board's Findings and Conclusions are unequivocal on the point that my letter was being treated as a specification of charges and a recommendation for dismissal. The Board explicitly found that the charges and their publicity did not operate to prejudice Mr. Koch before them. Surely the AAUP's conclusion on prejudgment can not and should not be read as saying that the Trustees were not being honorable and truthful in making these statements. Even Mr. Koch's counsel in his arguments before the Board stated:

President Henry has referred this matter to you, and I know you have come here with open minds, to listen to the evidence that you have gotten in the stipulation, to listen to whatever arguments we have brought to you, and to make your decision earnestly and fairly.

I also note that the Senate Committee on Academic Freedom was not so prejudiced or influenced by my purported "prejudgment" that it regarded itself bound to support my recommendation for dismissal as the appropriate sanction for the academic irresponsibility it found inherent in Mr. Koch's activities.

Nor can the AAUP's conclusion on the prejudgment issue be related to the warning in the Urbana Senate Committee's report, rendered after affording a hearing to Mr. Koch, that the letter and its publicity "may well have prejudiced the final outcome of his (Koch's) case." That Senate Committee report (May 13, 1960) with its warning was a part of the record before the Board (June 14, 1960) when it reached its decision and specifically denied the fact of such prejudice in the final outcome of his (Koch's) case.

(2) *The Board's failure to adopt the Senate Committee recommendation for reprimand.* The AAUP Committee concluded that a violation of academic due process and academic freedom occurred by reason of "the failure of the Board of Trustees, without adequate declared reason, to support the unanimous recommendation of the Senate Committee." In both the Findings and Conclusions in the Koch proceeding and the September 21, 1960, report of the General Policy Committee it is acknowledged that the recommendations and judgment of the members of the Executive Committee of the College of Liberal Arts and Sciences, the Urbana Senate Committee on Academic Freedom, and the President of the University were taken into consideration by the Board and substantial weight was attached to them. The September 21, 1960, report of the Board's General Policy Committee (adopted and approved by the entire Board) contains the following passage:

Having concluded that Dr. Koch was guilty of conduct constituting a grave breach of his academic responsibility and duty which was clearly prejudicial to the best interests of the University, it became incumbent upon us to decide whether the action to be taken by us concerning him should be that recommended by the members of the Senate Committee on Academic Freedom, that recommended by the Executive Committee of the faculty and the Dean of the College and the President of the University, or some other action. In considering that question we were not unmindful of the recommendation of the Senate Committee on Academic Freedom and the reasons which prompted it, of considerations of academic freedom and constitutional guarantees of freedom of speech, of Dr. Koch's interest, or of the reputation and welfare of the University. Each and all of these considerations weighed heavily upon us. We deemed ourselves to be under the duty and obligation to accord, and gave the most thoughtful and conscientious consideration to them. By virtue of the public office we hold, we are charged with the responsibility,

are under the sworn duty, and are vested with the final authority to decide what action should be taken in such matters. That responsibility and that duty is owed to the University's faculty, its students, their parents, the University itself, the citizens of the State of Illinois who support and maintain the University, and those who represent them in the General Assembly. We must exercise that authority in accordance with what we are convinced is in the best interests of all of them and can not abdicate it and transfer it to any group however important and however vitally interested it may be in the proper exercise of it. It was then, and still is our considered and conscientious judgment that Dr. Koch's breach of his academic and professional responsibility was "so flagrant and serious, and has been so clearly prejudicial to the best interests of the University" that it could be "properly met and dealt with only by terminating his appointment at and contract with the University," much though we regretted the necessity of taking that action.

The foregoing and the portion of Conclusion 1 of the Board's Findings and Conclusions quoted under (3) below are clearly "adequate declared reason(s)" why the Board did not support the unanimous recommendation of the Urbana Senate Committee, and these reasons remain as compelling today as they were at that time of the Board's pronouncements in 1960.

(3) *The Board's sanction of discharge.* The AAUP has further concluded that there was a violation of academic due process and academic freedom because of "the imposition of the drastic sanction of discharge for Professor Koch's public expression of opinion," and this conclusion is characterized as "most important." The Board's concern with and consideration of the sanction it decided to impose is reflected by the above quoted portion of the report of the General Policy Committee and also by the following excerpt from Conclusion 1 of the Findings and Conclusions adopted and entered by the Board on June 14, 1960, in the Koch proceeding:

We do not condemn Assistant Professor Koch's actions in issue here merely because he expressed in his letter views contrary to commonly accepted beliefs and standards. We condemn it because of the manner in which he expressed those views in his letter. We do not consider that letter as a "responsible" and proper expression of the views stated in it. This judgment upon our part is confirmed by the unanimous judgment of the members of the Executive Committee of the College of Liberal Arts and Sciences, including the Dean of that College, the members of the University Senate Committee on Academic Freedom, at the Urbana-Champaign campus of the University, and the President of the University. We reiterate here what we have said in our foregoing findings and conclusions as constituting the reasons why we have concluded that Assistant Professor Koch's action in writing and securing the publication of his letter in *The Daily Illini* exceeded the limits of the protection afforded him by his academic freedom.

We appreciate and commend the careful and conscientious consideration given by the members of the Senate Committee on Academic Freedom to Assistant Professor Koch's claim that the disciplinary action taken and recommended against him by the President of the University would violate his academic freedom. As we have just stated their appraisal of his letter to *The Daily Illini* accords with ours. As they concede in their Report, once it has been determined that Assistant Professor Koch's actions are not protected by his academic freedom, the question of what action should be taken against him because of his breach of his academic and professional responsibility and duty to the University is one which we have the responsibility, duty, and authority to determine. In our considered judgment that breach of his academic and professional responsibility, and of his duty to the University, was so flagrant and serious, and has been so clearly prejudicial to the best interests of the University, that, notwithstanding the recommendation of the Senate Committee on Academic Freedom that the action taken against him for it be limited to reprimand and not extend to discharge, we are convinced that it can be properly met and dealt with only by terminating his appointment at and contract with the University in accordance with the recommendation of the President of the University, much though we regret the necessity, resulting from his own irresponsible and improper conduct, of taking such drastic, but proper and essential, action against him.

### C. CONCLUDING OBSERVATIONS

From the public discussion of the Koch case and the references to "academic due process" in the action of the AAUP, some have inferred that Mr. Koch was dismissed without a hearing. In accord with the Statutes of the University of Illinois, Mr. Koch had formal hearings before the Senate Committee on Academic Freedom and before the Board of Trustees; further, these hearings were preceded by conferences between Mr. Koch and his department head and by a review of his case by the faculty-elected Executive Committee of the College of Liberal Arts and Sciences. These points are repeated so that it will be clear to all concerned that Mr. Koch was given hearings, and that the appraisal of his case was not precipitous but stretched over several months.

I want there to be no doubt, within the academic community as well as before the public, that as President of the University of Illinois, I share the concern that the tradition for academic freedom at this University should at no time be impaired to the slightest degree. The Statutes of the University and the University's long history of intellectual freedom speak for themselves. Here, and in other authoritative expressions on the subject, however, academic freedom is not dissociated from academic responsibility. The teacher has responsibilities to his students and to the University. It is a distortion of academic freedom to stretch its application to the Koch case. What may be regarded as incitement to or condonation of immoral conduct can not be treated merely as the presentation of an unorthodox point of view or an intellectual exercise in social criticism. The encouragement of youth to violate the usually accepted moral code and the laws pertaining to that code undermines the very concept of academic freedom.

I fully subscribe to the position which has been unequivocally stated by the Board of Trustees in its action of June 14, 1960:

We subscribe to and intend to maintain these principles (of academic freedom) unimpaired. We recognize that the limits of academic freedom can not be defined by the test of conformity or non-conformity between views expressed by a member of the University's faculty and views, beliefs, and standards generally and commonly entertained and accepted. We believe that any responsible expression of views by members of the faculty, even though unpopular and even, possibly, untenable, is in order. In determining what is "responsible expression," we accept the guidelines set down in the statutory references cited above (Statutes of the University) and the 1940 Joint Statement of Principles on Academic Freedom and Tenure.

In the foregoing report and observations on the action of the AAUP, restricted as they are to an analysis of that organization's view of facts surrounding the Koch proceeding and its conclusions thereon in terms of "academic due process and academic freedom," I have attempted to avoid commenting on the issues presented in the litigation being pursued by Mr. Koch against the University. Mr. Koch is now in the process of seeking review by the Supreme Court of Illinois of the January 22, 1963, decision of the Appellate Court of Illinois in favor of the University. A decision of the Supreme Court of Illinois on whether or not Mr. Koch may take such an appeal is anticipated later this year.

On motion of Mrs. Watkins, the Board accepted the foregoing report; there were no dissenting votes.

Mr. Clement read the following letter received by members of the Board of Trustees from two members of the University faculty transmitting a copy of a letter addressed to the President of the University and signed by twenty-six members of the faculty, which he also read to the Board.

217 David Kinley Hall  
May 6, 1963

*To the Members of the Board of Trustees  
of the University of Illinois*

The signed original of the accompanying letter has been sent to President David D. Henry. We feel that each of you will want to know of its existence and the support it indicates.

We believe that a large number of faculty members on the Urbana campus feel as we do. Although several who saw the letter suggested the names of others they thought would want to participate in this expression, we deliberately refrained from any effort to obtain a long list of names. It is our feeling that this expression by a limited number of faculty members who are well known in academic circles and throughout the state is sufficient to indicate that the American Association of University Professors does not speak for the entire faculty.

Very truly yours,  
R. K. MAUTZ  
Professor of Accountancy  
ROBERT I. DICKEY  
Professor of Accountancy

217 David Kinley Hall  
May 1, 1963

President David Dodds Henry  
355 Administration Building (W)

DEAR PRESIDENT HENRY:

The recent actions of the local chapter of the American Association of University Professors and the censure resolution of the national organization indicate there are some who are critical of the action of the University in dismissing Dr. Leo Koch. We wish to disassociate ourselves from these people and their views.

We feel that the action taken by the University Administration at the time of this unfortunate affair reflected a concern for the best interests of the University and was in no way a serious threat to academic freedom. We deplore the action of the American Association of University Professors, both locally and nationally. In our opinion, only those who confuse academic freedom with academic license would find the action of the University Administration offensive.

In view of the varied and extreme pressures exerted upon you in your office as President of the University, we feel your own actions in this case have been honorable and forthright. We therefore take this means of expressing our support to you and the Board of Trustees.

Very truly yours,

H. KENNETH ALLEN  
JOHN C. BAILAR, JR.  
FRANK H. BEACH  
J. F. BELL  
J. W. BRISCOE  
EMER E. BROADBENT  
H. C. M. CASE  
ROBERT I. DICKEY  
TOM S. HAMILTON  
ROBERT O. HARVEY

H. W. HUEGY  
WALTER M. KEITH  
ROSS A. KELLY  
DONALD L. KEMMERER  
(University of Illinois  
Chapter AAUP President, 1950)  
R. K. MAUTZ  
M. L. MOSHER  
C. A. MOYER

DAVID R. OFFERMAN  
JOHN E. PEARSON  
DAVID G. RYAN  
L. H. SIMERL  
F. R. STEGGERDA  
KENNETH J. TRIGGER  
STEWART L. TUCKEY  
PAUL M. VAN ARSDELL  
HOWARD L. WAKELAND

Mr. Dilliard inquired what procedure may be followed by the University in seeking removal from censure. President Henry stated that one of the steps which may have an effect and which has long been in process is the proposed amendment of the sections of the University of Illinois Statutes which deal with academic freedom and tenure.

#### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, declinations, and terminations; leaves of absence; retirements.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ABRAHAMS, JEROME E., Clinical Instructor in Surgery (Medicine), five months from April 1, 1963, without salary (4-10-63).

- ANDERSON, TRUMAN O., Assistant Professor of Medicine and of Microbiology (Medicine), July 1, 1963-August 31, 1965, \$10,800 a year, supersedes (4-10-63).
- ANTENEN, WAYNE W., Research Associate in Education Administration (College of Education), to render service during the second semester of the academic year, March 1-August 31, 1963, \$5,400 a year (4-9-63).
- BABB, DANIEL S., Professor of Electrical Engineering (C), two months from June 16, 1963, \$2,400; this is in addition to his present appointment (4-8-63).
- BABLER, BERNARD J., Professor of Chemistry (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$2,667 for the period (4-15-63).
- BACH, GERHARD L., Research Assistant in Medicine (Medicine), six months from March 1, 1963, \$4,900 a year (4-10-63).
- BARAZANI, MORRIS, Assistant in Art (Chicago Undergraduate Division), five months from February 1, 1963, \$2,500 (4-10-63).
- BHARADWAJ, (MR.) RAMA KANT, Research Assistant in Entomology, two months from June 16, 1963, \$889 (4-22-63).
- BOHM, LARRY G., Project Assistant in the State Natural History Survey, April 11-August 31, 1963, \$350 a month (4-8-63).
- BOROSAGE, LAWRENCE, Visiting Lecturer in Education, Summer Session of 1963, June 17-July 13, 1963, \$1,300 for the period (4-15-63).
- BRESICH, ZAGORKA, Physician in the Health Service (Medical Center), 3/10 time, six months from March 1, 1963, \$3,600 a year (4-4-63).
- BROGHAMER, EDWARD L., Professor of Mechanical Engineering (C), two months from June 16, 1963, \$2,465; this is in addition to his present appointment (4-8-63).
- BURR, EDWARD E., Associate Professor of Art (Chicago Undergraduate Division), nine months from September 16, 1962, \$8,800, supersedes (4-4-63).
- BURTON, LESLIE J., Instructor in Accountancy (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,200 for the period (4-15-63).
- BUTTERWORTH, MRS. CLARA M., Clinical Instructor in Psychology, Department of Psychiatry (Medicine), eight months from January 1, 1963, without salary (4-15-63).
- CADY, ALLAN B., Clinical Assistant in Medicine (Medicine), six months from March 1, 1963, without salary (4-10-63).
- CAHALAN, HAROLD F., Visiting Lecturer in History (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{2}{3}$  time, June 21-August 16, 1963, \$750 for the period (4-19-63).
- CHADWICK, LEIGH E., Professor of Entomology, two months from June 16, 1963, \$3,689; this is in addition to his present appointment (4-22-63).
- CHANDRAN, (MR.) RAMAN SATISA, Research Assistant in Entomology, two months from June 16, 1963, \$889 (4-22-63).
- COFFEY, WARREN C., Assistant and Project Administrator in Elementary Education, March 22-June 15, 1963, \$888 a month, supersedes (4-5-63).
- CULLOP, SAMUEL, JR., Research Assistant in Entomology, two months from June 16, 1963, \$889 (4-22-63).
- DICKERSON, RICHARD E., Research Assistant Professor of Chemistry, two months from June 16, 1963, \$2,000; this is in addition to his present appointment (4-8-63).
- DOBROVOLNY, JERRY S., Professor of General Engineering and Head of the Department (C), two months from June 16, 1963, \$2,890; this is in addition to his present appointment (4-8-63).
- DOUDNA, JO ANN M., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$1,400 for the period (4-15-63).
- EECKHOUT, M. JO, Instructor in Speech and Theatre, academic year beginning September 1, 1963, \$6,500 (4-8-63).
- FERBER, MRS. MARIANNE A., Lecturer in Economics, March 1-June 15, 1963, \$750 a month, supersedes (4-8-63).
- FITZGERALD, DONALD, Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$1,800 for the period (4-15-63).
- GLASSMAN, SIDNEY P., Associate Professor of Biological Sciences (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$2,156 for the period, supersedes previous Summer Session appointment (4-22-63).

- GOLAND, PHILIP, Research Associate in Orthodontics (Dentistry), five months from April 1, 1963, \$8,000 a year (4-10-63).
- GORADIA, RANJAN YOGESH, Research Assistant in the State Water Survey, three months from April 1, 1963, \$408.33 a month (4-12-63).
- GRANIRER, EDMOND E., Research Associate in Mathematics, two months from June 16, 1963, \$1,556; this is in addition to his present appointment (4-22-63).
- GRIFFIN, ROBERT S., Clinical Instructor in Medicine (Medicine),  $\frac{2}{3}$  time, two months from July 1, 1963, \$250 a month, supersedes (4-10-63).
- HANSCOM, DONALD H., Clinical Instructor in Medicine (Medicine), May 6-August 31, 1963, without salary, supersedes salaried appointment (4-24-63).
- HANSON, DONALD D., Associate Professor of Architecture, Summer Session of 1963, June 17-August 10, 1963, \$2,445 for the period (4-15-63).
- HAWKLAND, WILLIAM D., Professor of Law, Summer Session of 1963, June 17-August 10, 1963, \$3,600 for the period (4-15-63).
- HELMS, LESTER L., Research Assistant Professor of Mathematics, two months from June 16, 1963, \$1,800; this is in addition to his present appointment (4-22-63).
- HOLDERMAN, JAMES B., Assistant Professor in the Institute of Government and Public Affairs, to render service during the second semester of the academic year, full time from February 1-March 31, 1963, \$1,467, and  $\frac{1}{2}$  time from April 1-June 15, 1963, \$1,466, supersedes (4-8-63).
- HUBER, ROBERT S., Clinical Assistant in Medicine (Medicine), six months from March 1, 1963, without salary (4-10-63).
- HURSH, LAURENCE M., Associate Professor of Hygiene, and Staff Physician in the Health Center and McKinley Hospital, \$16,500 a year, and Associate Director of the Health Center and McKinley Hospital, \$1,000 a year, April 1-August 31, 1963, supersedes (4-5-63).
- JACKMAN, FREDERIC L. R., Clinical Assistant in Psychology, Department of Psychiatry (Medicine), seven months from February 1, 1963, without salary (4-4-63).
- KAHN, SHELDON M., Instructor in Medicine (Medicine), March 18-August 31, 1963, \$708.33 a month, supersedes nonsalaried appointment (4-8-63).
- KATAGUE, DAVID B., Instructor in Chemistry (Pharmacy), Summer Session of 1963,  $\frac{1}{2}$  time, July 29-September 7, 1963, \$500 for the period (4-24-63).
- KINO, TAKAO, Research Associate in Physics (C), one year from September 1, 1963, \$7,500 (4-4-63).
- KINZIE, MARION D., Associate Professor of Hygiene on indefinite tenure, and Staff Physician in the Health Center and in McKinley Hospital, April 1-August 31, 1963, \$16,500 a year, supersedes (4-5-63).
- KLINE, IRWIN K., Instructor in Pathology (Medicine), one year from July 1, 1963, \$7,000, supersedes his nonsalaried appointment (4-10-63).
- KLOCK, PAUL W., Assistant Professor of Electrical Engineering (C), to render service during the second semester of the academic year, May 1-August 31, 1963, \$750 a month, supersedes (4-23-63).
- KRISHNAMURTHY, VISVANATHA, Research Associate in Mathematics, two months from June 16, 1963, \$1,334; this is in addition to his present appointment (4-22-63).
- KRIZAN, THOMAS F., Assistant Professor of Physical Education for Men (Summer Sports Fitness),  $\frac{3}{4}$  time, June 17-August 8, 1963, \$1,233; this is in addition to his present appointment (4-8-63).
- KRYSAN, JAMES L., Research Assistant in Entomology, two months from June 16, 1963, \$889 (4-24-63).
- LEE, SIU-WAH, Research Assistant in Physical Medicine and Rehabilitation (Medicine), five months from April 1, 1963, \$470.83 a month (4-10-63).
- MANSFIELD, J. VICTOR, Associate Professor of Chemistry (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,956 for the period (4-15-63).
- MCCRIMMON, MRS. BARBARA J. S., Research Associate in the Bureau of Community Planning, two months from April 1, 1963, \$487.50 a month, supersedes (4-10-63).
- MILES, MAURICE H., Research Associate in Metallurgical Engineering (C), June 15-August 31, 1963, \$666.67 a month (4-8-63).

- MONTGOMERY, CLARK A., Clinical Instructor in Medicine (Medicine), three months from June 1, 1963, without salary, supersedes salaried appointment (6-14-63).
- MUELLER, KARL H., Research Associate in Orthopaedic Surgery (Medicine), three months from April 1, 1963, without salary (4-15-63).
- NAKAMURA, HIROSHI, Research Associate in Agricultural Economics (S), four months from May 1, 1963, \$666.67 a month, supersedes (4-10-63).
- NELSON, JAMES A., Associate Professor of Ceramic Engineering (C), two months from June 16, 1963, \$2,356; this is in addition to his present appointment (4-8-63).
- NEWCOMER, HALE L., Professor of Accountancy, nine months from September 16, 1962, \$14,400, supersedes (4-8-63).
- NEWELL, JOHN T., II, Assistant Professor of Biological Sciences,  $\frac{1}{2}$  time, and Assistant Director of University Honors Programs,  $\frac{1}{4}$  time (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,250 for the period, supersedes previous Summer Session appointment (4-15-63).
- NISHIDA, YOSHIRO, Research Assistant in Physiology and Biophysics, April 16-September 30, 1963, \$500 a month (4-10-63).
- NURRY, BERNARD E., Visiting Lecturer in Elementary Education, July 1-August 23, 1963, \$2,300 (4-8-63).
- OLEKSY, MRS. MARGARET H., Instructor in English (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{1}{2}$  time, June 21-August 16, 1963, \$845 for the period (4-15-63).
- ORVEDAHL, JESSE, Research Associate in Education (University High School), June 24-August 31, 1963, \$1,900 (4-10-63).
- PARABCIUS, ALGIS, Assistant Professor of Engineering (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,845 for the period (4-15-63).
- PARTRIDGE, ROBERT W., JR., Visiting Lecturer in Engineering (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,334 for the period (4-24-63).
- PATTISON, MRS. VALERIE, Assistant in Animal Science (S), March 4-August 31, 1963, \$5,000 a year (4-19-63).
- PERDRISAT, CHARLES FRANCOIS, Research Associate in Physics (C), one year from September 1, 1963, \$8,000 (4-8-63).
- PERESSINI, ANTHONY L., Research Associate in Mathematics, two months from June 16, 1963, \$1,645; this is in addition to his present appointment (4-22-63).
- POLLOCK, MICHAEL L., Instructor in Summer Sports Fitness (Physical Education for Men),  $\frac{3}{4}$  time, June 17-August 8, 1963, \$773, supersedes (4-15-63).
- PULLEN, LINDA G., Biology Library Assistant, in the Library, one year from September 1, 1963, \$5,500 (4-8-63).
- RANDALL, ROBERT F., Research Assistant in Entomology, two months from June 16, 1963, \$889 (4-22-63).
- RANNINGER, JULIUS, Research Associate in Physics (C), one year from September 1, 1963, \$8,000 (4-8-63).
- REED, JACK A., Visiting Lecturer in Education, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$545 for the period (4-16-63).
- REGNIER, EARL H., Student Training Program Adviser, for service under Contract ICAC-1258, at Pantnagar, U. P. Agricultural University, Pantnagar, India, two years from July 8, 1963, \$14,300 a year (4-15-63).
- ROBLEE, CHARLES L., Instructor in Firemanship Training (Division of University Extension), four months from May 1, 1963, \$7,800 a year (4-10-63).
- ROEPKE, HOWARD G., Associate Professor of Geography, Summer Session of 1963,  $\frac{1}{4}$  time, June 17-August 10, 1963, \$542 for the period, supersedes previous Summer Session appointment (4-15-63).
- ROSS, ALBION H., Visiting Lecturer in Journalism, 13/100 time, academic year beginning September 1, 1962, \$1,200, supersedes (4-10-63).
- ROSS, GEORGE E., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$2,000 for the period (4-15-63).
- RUSSELL, JOHN K., Instructor in Electrical Engineering (C),  $\frac{3}{4}$  time, to render service during the second semester of the academic year, April 1-August 31, 1963, \$1,000, supersedes (4-15-63).

- SALOMON, LAWRENCE, Instructor in Art (Chicago Undergraduate Division),  $\frac{2}{3}$  time, five months from February 1, 1963, \$1,750 (4-8-63).
- SCHMIDT, PAUL J., Instructor in Ophthalmology (Medicine),  $\frac{1}{2}$  time, five months from April 1, 1963, \$333.33 a month, supersedes (4-10-63).
- SEYFARTH, FRANCIS, Professor of Mechanical Engineering (C),  $\frac{1}{3}$  time, two months from June 16, 1963, \$770.32; this is in addition to his present appointment (4-22-63).
- SHEPHERD, GEORGE, Visiting Lecturer in Education, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$545 for the period (4-24-63).
- SIDNEY, MRS. MARY C., Instructor in English (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,245 for the period, supersedes previous Summer Session appointment (4-15-63).
- SIMMONS, JERRY L., Instructor in Sociology, Summer Session of 1963, June 17-August 10, 1963, \$1,445 for the period (4-4-63).
- SNYDER, WILLIAM R., Assistant in Education, in Vocational and Technical on  $\frac{1}{4}$  time and in the University High School on  $\frac{3}{4}$  time, February 1-June 15, 1963, \$600 a month, supersedes (4-8-63).
- SPLITZ, MRS. HAZEL T., Assistant Professor of Vocational and Technical Education (College of Education),  $\frac{3}{4}$  time, to render service during the second semester of the academic year, March 1-August 31, 1963, \$2,812 (4-4-63).
- SRINIVASAN, T. M., Research Assistant Professor of Metallurgical Engineering (C), one year from September 1, 1963, \$9,000 (4-8-63).
- STAGER, ROBERT A., Research Associate in Chemical Engineering, five months from April 1, 1963, \$600 a month (4-8-63).
- STEWART, OMAR W., Research Associate in Chemistry, two months from June 16, 1963, \$1,467; this is in addition to his present appointment (4-8-63).
- STORCH, RICHARD H., Research Assistant in Entomology, two months from June 16, 1963, \$888.88 (4-24-63).
- TAKAYAMA, TAKASHI, Research Associate in Agricultural Economics (S), four months from May 1, 1963, \$900 a month (4-8-63).
- TANG, STEPHEN J. Y., Associate Professor of Architecture, Summer Session of 1963, June 17-August 10, 1963, \$2,734 for the period (4-15-63).
- TATSUOKA, MAURICE M., Associate Professor of Education (University High School),  $\frac{3}{4}$  time, two months from June 16, 1963, \$1,542; this is in addition to his present appointment (4-17-63).
- TELSER, ELSA B., Research Assistant in Psychiatry (Medicine), six months from March 1, 1963, without salary (4-15-63).
- TOROK, NICHOLAS, Associate Professor of Otolaryngology (Medicine),  $\frac{4}{5}$  time, one month from May 1, 1963, \$1,066.66, supersedes (4-15-63).
- TRAINA, VINCENZO, Clinical Instructor in Anesthesiology, Department of Surgery (Medicine), eight months from January 1, 1963, without salary (4-10-63).
- WALES, HUGH G., Professor of Marketing, Summer Session of 1963, June 17-August 10, 1963, \$2,734 for the period (4-24-63).
- WARBURTON, F. W., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$2,200 for the period (4-15-63).
- WEISS, BERNARD J., Visiting Lecturer in History (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{2}{3}$  time, June 21-August 16, 1963, \$750 for the period (4-19-63).
- WHITMER, ROGER G., Lecturer on Materials and Methods of Construction, Department of Architecture (Chicago Undergraduate Division),  $\frac{1}{3}$  time, five months from February 1, 1963, \$1,500 (4-8-63).
- WOLF, WILLIAM E., Assistant in Anesthesiology, Department of Surgery (Medicine), four months from March 1, 1963, without salary (4-10-63).
- WYATT, STANLEY P., JR., Professor of Astronomy, June 17-August 23, 1963, \$3,445; this is in addition to his present appointment (4-22-63).
- YOCKEY, RAYMOND L., Clinical Assistant in Medicine (Medicine), six months from March 1, 1963, without salary (4-10-63).

#### GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- ABDEL-SAMAD, SANA R., Fellow in Civil Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).



- ABEL, WILLIAM R., Xerox Corporation Fellow in Physics, nine months from September 16, 1963, \$2,000 (4-10-63).
- ABU-SALIH, MUHAMMAD S., Summer Fellow in Mathematics, two months from June 16, 1963, \$375 (4-16-63).
- ADAMS, RALPH E., Summer Fellow in English, two months from June 16, 1963, \$375 (4-16-63).
- AGASHE, SADANAND D., General Electric Foundation Fellow in Electrical Engineering, nine months from September 16, 1963, \$2,500 (3-30-63).
- ALTSCHUL, D. ROBERT, Summer Fellow in Geography, two months from June 16, 1963, \$375 (4-16-63).
- ANDERSON, EDWARD A., Summer Fellow in Chemistry, two months from June 16, 1963, \$375 (4-17-63).
- ANDERSON, FLOYD D., Fellow in Speech, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- ANDREWS, ALAN R., Fellow in Communications, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- ARMSTRONG, ROBERT J., Hackett Fellow in Horticulture, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (4-15-63).
- AVNER, ELAINE S., Fellow in Astronomy, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- AYEN, RICHARD J., Fellow in Chemical Engineering, September 16, 1963-January 31, 1964, \$900 (3-30-63).
- BAILEY, RONALD B., Summer Fellow in Political Science, two months from June 16, 1963, \$375 (4-16-63).
- BAIN, ROBERT A., Summer Fellow in English, two months from June 16, 1963, \$375 (4-16-63).
- BALBACH, HAROLD E., Summer Fellow in Botany, two months from June 16, 1963, \$375 (4-16-63).
- BARDOS, ANDRAS M., Teaching Fellow in Physics, nine months from September 16, 1963, \$1,800 (3-30-63).
- BARROWS, JOHN T., Summer Fellow in Electrical Engineering, two months from June 16, 1963, \$375 (4-17-63).
- BARRY, LYNETTE F., Fellow in English, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- BELDEN, C. ROBERT, Fellow in Landscape Architecture, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- BELL, ROBERT F., Teaching Fellow in German, nine months from September 16, 1963, \$1,166, and two months from June 16, 1963, \$375 (3-30-63).
- BELZER, EDWIN G., JR., Summer Fellow in Health and Safety Education, two months from June 16, 1963, \$375 (4-16-63).
- BENARD, EDMUND F., Fellow in Civil Engineering, nine months from September 16, 1963, \$2,000, and two months from June 16, 1963, \$500 (3-30-63).
- BERGER, JACK S., Shell Companies Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,800 (3-30-63).
- BERNETT, WILLIAM A., Fellow in Chemistry, nine months from September 16, 1963, \$1,800 (3-30-63).
- BERRY, THOMAS E., Fellow in Russian, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- BOQUIREN, DAISY T., Summer Fellow in Botany, two months from June 16, 1963, \$375 (4-16-63).
- BORNHOFEN, JOHN O., Fellow in Economics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- BOUMA, FREDERICK J., Fellow in Spanish, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- BOWERS, MICHAEL T., Ethyl Corporation Fellow in Chemistry, nine months from September 16, 1963, \$2,100 (4-19-63).
- BOWERS, PATRICIA G., Fellow in Psychology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- BRADY, MARY A., Fellow in French, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- BRANCAFORTE, BENITO, Fellow in Spanish, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).

- BRAND, JERRY D., The John B. Fehnley Memorial Fellow in Civil Engineering, nine months from September 16, 1963, \$3,000 (3-30-63).
- BROCKSTEIN, ALLAN J., Fellow in Electrical Engineering, nine months from September 16, 1963, \$1,500 (3-30-63).
- BROMELS, EDWARD, Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- BROOME, O. W., JR., Summer Fellow in Accountancy, two months from June 16, 1963, \$375 (4-16-63).
- BROWN, EUGENE F., Fellow in Mechanical Engineering, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- BROWN, ROGER L., Fellow in Communications, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- BUTTON, ALLAN C., Allied Chemical Corporation Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-22-63).
- BYARS, ROBERT S., John A. Fairlie Fellow in Political Science, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- BYRON, JANET L., Fellow in Linguistics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- CALDWELL, PETER R., Summer Fellow in French, two months from June 16, 1963, \$375 (4-16-63).
- CARNEY, JOSEPH H., Teaching Fellow in Chemistry, nine months from September 16, 1963, \$2,000, and two months from June 16, 1963, \$500 (3-30-63).
- CARR, WAYNE E., General Electric Foundation Fellow in Physics, nine months from September 16, 1963, \$2,500 (4-10-63).
- CARTER, VERA J., Fellow in Library Science, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- CASEY, BERNARD J., Fellow in Civil Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- CHEN, WELLINGTON P., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- CHUA, LEON O., Teaching Fellow in Electrical Engineering, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (4-1-63).
- CLARK, LARRY D., Summer Fellow in Speech, two months from June 16, 1963, \$375 (4-16-63).
- CLARK, WILLIAM A. V., Fellow in Geography, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- CLAYTON, LEE S., Fellow in Geology, nine months from September 16, 1963, \$1,500 (3-30-63).
- CLEM, JOHN R., United States Steel Foundation Fellow in Physics, nine months from September 16, 1963, \$2,100 (4-10-63).
- CLENDENEN, RONALD L., Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- COLE, WILLIAM R., Fellow in Education, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- CORUM, JAMES M., Teaching Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1963, \$1,500; this is in addition to his assistantship in Theoretical and Applied Mechanics on 18/100 time (3-30-63).
- COVERT, NADINE E., Summer Fellow in French, two months from June 16, 1963, \$375 (4-16-63).
- COX, KEVIN R., Fellow in Geography, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- CRILEY, BRUCE B., Teaching Fellow in Zoology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- CRITTENDEN, BRIAN S., Fellow in Education, September 16, 1963-January 31, 1964, \$750, and two months from June 16, 1963, \$375 (3-30-63).
- CROCKETT, BARBARA A., Teaching Fellow in Music, nine months from September 16, 1963, \$1,450, and two months from June 16, 1964, \$375 (3-30-63).
- CUNNINGHAM, RICHARD E., Summer Fellow in English, two months from June 16, 1963, \$375 (4-16-63).
- DAGRES, JOHN, Fellow in History, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).

- DALEY, LAWRENCE J., Fellow in Music, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- DANZIGER, MARGARET C., Lois Wells Irwin Fellow in Library Science, nine months from September 16, 1963, \$500 (3-30-63).
- DAS, ASIT B., Summer Fellow in Physiology and Biophysics, two months from June 16, 1963, \$375 (4-16-63).
- DAVIES, MICHAEL S., Summer Fellow in Electrical Engineering, two months from June 16, 1963, \$375 (4-16-63).
- DAVIS, STEVEN, Fellow in Philosophy, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- DAWSON, NANCY L., Summer Fellow in History, two months from June 16, 1963, \$375 (4-16-63).
- DEERING, RICHARD J., International Business Machines Fellow in Economics, nine months from September 16, 1963, \$1,800 (3-30-63).
- DEN ADOL, RAYMOND L., Teaching Fellow in Classics, nine months from September 16, 1963, \$1,100, and two months from June 16, 1964, \$375 (4-9-63).
- DEVITO, JOSEPH A., Fellow in Speech, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- DONOHUE, JOHN T., Raytheon Company Fellow in Physics, nine months from September 16, 1963, \$2,000 (4-10-63).
- DRURY, ROBERT E., Hackett Fellow in Horticulture, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-29-63).
- DRYSDALE, WILLIAM H., National Aeronautics and Space Administration Fellow in Aeronautical and Astronautical Engineering, one year from September 1, 1963, \$2,400 (4-9-63).
- DUCKWORTH, PAUL E., Fellow in Accountancy, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- DUNNIGAN, ELAINE M., Fellow in English, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- DURAND, DAVID A., Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- DWYER, KATHLEEN M., Hackett Fellow in Home Economics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- EDWARDS, RALPH J., Fellow in Agronomy, nine months from September 16, 1963, \$1,800 (3-30-63).
- ELROD, RICHARD B., Fellow in History, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- EWEN, ROBERT E., Fellow in Psychology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- EYMAN, DARRELL P., Gillette-Toni Fellow in Chemistry, nine months from September 16, 1963, \$2,500 (4-19-63).
- FEIERTAG, ROBERT H., Summer Fellow in Chemistry, two months from June 16, 1963, \$375 (4-16-63).
- FERNANDES, FRED D., Fellow in Aeronautical and Astronautical Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- FIERSTEN, GARY N., Fellow in Electrical Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- FISHER, THOMAS H., Allied Chemical Corporation Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-22-63).
- FITES, ROGER C., Wright Fellow in Agronomy, nine months from September 16, 1963, \$1,800 (4-1-63).
- FOGLE, DALE A., Fellow in Electrical Engineering, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- FOGLESONG, WILLIAM D., Teaching Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- FORBES, DELROY J., Fellow in Civil Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- FOURNEY, WILLIAM L., Teaching Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1963, \$2,000 (3-30-63).
- FOWLER, FRANCES C., Fellow in English, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).

- FRADIN, FRANK Y., Union Carbide Corporation Fellow in Metallurgy, nine months from September 16, 1963, \$2,400 (3-30-63).
- FRAZER, WILLIAM D., Fellow in Digital Computer Laboratory, September 16, 1963-January 31, 1964, \$750, and two months from June 16, 1963, \$375 (3-30-63).
- FRIEDMAN, MARGARET J., Fellow in Anthropology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- FRYMAN, RICHARD F., Fellow in Economics, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- FUJABOS, RODERICK G., Fellow in Electrical Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- GAGLIANO, FELIX V., JR., Kendric C. Babcock Fellow in Political Science, nine months from September 16, 1963, \$2,000 (3-30-63).
- GAMBLE, JAMES C., Summer Fellow in Geology, two months from June 16, 1963, \$375 (4-16-63).
- GARFIELD, RONALD S., Fellow in Spanish, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- GEISLER, PAMELA A. G., Summer Fellow in Astronomy, two months from June 16, 1963, \$375 (4-16-63).
- GIBSON, WILLIAM R., Fellow in Animal Science, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- GINTHER, JOHN L., Teaching Fellow in Education, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- GOLD, LLOYD A., Teaching Fellow in Music, nine months from September 16, 1963, \$1,450, and two months from June 16, 1964, \$375 (3-30-63).
- GOODALE, BRUCE G., Fellow in Civil Engineering, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- GRATOVICH, EUGENE, Fellow in Music, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- GREENBERG, ALLAN C., Fellow in History, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- GREENBERG, CHARLES B., Lead Industries Association Fellow in Ceramic Engineering, nine months from September 16, 1963, \$2,000 (3-30-63).
- GROSBOLL, MARTIN P., Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (3-30-63).
- GUPTA, SUDHINDRA, Fellow in Civil Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- GURA, IRA, Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,800 (4-9-63).
- GUR-ARIEH, CHAIM, Fellow in Food Technology, September 16, 1963-January 31, 1964, \$900, and two months from June 16, 1963, \$600 (3-30-63).
- GUTER, GERALD L., Summer Fellow in Education, two months from June 16, 1963, \$375 (4-16-63).
- GUTMAN, DAVID, Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- HAAK, RONALD O., Fellow in Anthropology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- HACKMAN, J. RICHARD, Fellow in Psychology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- HALL, LELAND E., Summer Fellow in Political Science, two months from June 16, 1963, \$375 (4-16-63); Charles E. Merriam Fellow in Political Science, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- HANFT, RAYMOND W., General Atomic/General Dynamics Corporation Fellow in Physics, nine months from September 16, 1963, \$2,100 (4-10-63).
- HANNULA, THOMAS A., Fellow in Mathematics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- HARIED, ANDREW A., Summer Fellow in Accountancy, two months from June 16, 1963, \$375 (4-16-63).
- HARRIS, ERIK P., Union Carbide Corporation Fellow in Physics, nine months from September 16, 1963, \$2,100 (4-10-63).
- HARRIS, RUTH L., Fellow in Education, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).

- HARTL, ADRIENNE L., Fellow in English, nine months from September 16, 1963, \$2,000 (3-30-63).
- HASKELL, WILLIAM L., Fellow in Physical Education, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- HAUER, WILLIAM R., Fellow in English, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- HAY, ARTHUR J., Sun Oil Company Fellow in Chemistry, eleven months from September 16, 1963, \$2,300 (4-19-63).
- HEATH, CHRISTOPHER P. M., Fellow in Geology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (4-10-63).
- HEGGAN, JON P., Fellow in Political Science, nine months from September 16, 1963, \$2,000 (3-30-63).
- HEIPLE, CLINTON R., Inland Steel Company Fellow in Metallurgy, nine months from September 16, 1963, \$2,400 (3-30-63).
- HELLAWELL, JUDITH A., Fellow in Anthropology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- HENRY, ARTHUR C., Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- HERCEG, JOSEPH E., National Aeronautics and Space Administration Fellow in Nuclear Engineering, one year from September 1, 1963, \$2,400 (4-9-63).
- HERLOCKER, DAVID W., Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- HERNER, JAMES P., National Aeronautics and Space Administration Fellow in Electrical Engineering, one year from September 1, 1963, \$2,400 (3-30-63).
- HICKS, GEORGE L., JR., Teaching Fellow in Anthropology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- HILL, STEPHANIE O., Fellow in Music, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- HILL, THOMAS D., JR., Summer Fellow in English, two months from June 16, 1963, \$375 (4-16-63).
- HIRST, VIRGINIA A., Fellow in English, nine months from September 16, 1963, \$2,000, and two months from June 16, 1963, \$500 (3-30-63).
- HOEG, CAROL L., Fellow in English, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- HOFFMAN, MARTIN R., National Aeronautics and Space Administration Fellow in Mathematics, one year from September 1, 1963, \$2,400 (4-4-63).
- HOFFMAN, RALPH A., Fellow in Accountancy, nine months from September 16, 1963, \$1,500 (3-30-63).
- HOUCHENS, ALBERT F., Teaching Fellow in Mechanical Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- HUBBARD, DOROTHY L., Fellow in Music, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- HUBBELL, JOHN T., Summer Fellow in History, two months from June 16, 1963, \$375 (4-16-63).
- HUFFNAGLE, JOHN D., Summer Fellow in Economics, two months from June 16, 1963, \$375 (4-16-63).
- HUTSON, PHILLIP L., Fellow in History, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- IKEDA, HIROSHI, Fellow in Education, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- ISSA, AHMAD D. M., Fellow in Finance, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- JACOBS, ALLAN E., Fellow in Physics, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$450 (3-30-63).
- JANSEN, PETER K., Summer Fellow in German, two months from June 16, 1963, \$375 (4-16-63).
- JOHNSON, BERNARD R., Minnesota Mining and Manufacturing Company Fellow in Physics, nine months from September 16, 1963, \$2,100 (4-10-63).
- JOHNSON, RICHARD T., Teaching Fellow in Physics, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$450 (3-30-63).

- JOHNSON, ROBERT C., Summer Fellow in English, two months from June 16, 1963, \$375 (4-16-63).
- JOHNSON, WAYNE A., Summer Fellow in Accountancy, two months from June 16, 1963, \$375 (4-16-63).
- JONES, GWEN E., Fellow in Music, nine months from September 16, 1963, \$1,500, (3-30-63).
- JONES, JANICE E., Summer Fellow in Geography, two months from June 16, 1963, \$375 (4-16-63).
- JORDAN, JAMES W., Fellow in Art, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- KAPLAN, LEONARD, Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- KARIPIDES, ANASTAS G., Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (3-30-63).
- KELLEY, ERIC L., Fellow in Music, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- KENNEDY, EDWARD D., Teaching Fellow in English, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- KEPLER, JON S., Fellow in History, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- KEYES, PAUL L., Hackett Fellow in Animal Science, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- KILBY, VIRGINIA A. A., Fellow in Zoology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- KILLIAN, MARILYN E., Summer Fellow in Music, two months from June 16, 1963, \$375 (4-16-63).
- KIRBY, ALBERT C., National Aeronautics and Space Administration Fellow in Physiology and Biophysics, one year from September 1, 1963, \$3,000 (4-10-63).
- KLINE, C. JANIE, Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- KOPP, LINDA M., Fellow in Russian, nine months from September 16, 1963, \$1,900, and two months from June 16, 1963, \$475 (3-30-63).
- KUEHN, ELAINE M., Fellow in History, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- KUHONTA, PRECIOUS C., Wright Fellow in Agricultural Economics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- LACEY, JAMES E., Fellow in Geology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- LADD, ROBERT G., Minnesota Mining and Manufacturing Company Fellow in Chemical Engineering, nine months from September 16, 1963, \$2,000 (3-30-63).
- LAGERQUIST, DENNIS R., National Aeronautics and Space Administration Fellow in Civil Engineering, one year from September 1, 1963, \$3,000 (3-30-63).
- LANE, ARTHUR L., Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (3-30-63).
- LANGNER, ERNST H., Wright Fellow in Food Technology (Dairy Technology) nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (4-8-63).
- LANIER, WARREN W., JR., Summer Fellow in Chemistry, two months from June 16, 1963, \$375 (4-16-63).
- LARSON, DENNIS L., Hackett Teaching Fellow in Agricultural Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- LATKO, ROBERT J., Union Carbide Corporation Fellow in Mechanical Engineering, nine months from September 16, 1963, \$1,800 (3-30-63).
- LAUGHLIN, EUGENE J., Lilly Endowment Fellow in Finance, one year from June 16, 1963, \$2,500 (3-30-63).
- LAXEN, RICHARD G., Fellow in Architecture, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- LEBEDA, DENNIS L., Hackett Teaching Fellow in Agricultural Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).

- LEBERMANN, KENNETH W., Wright Fellow in Food Technology, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (4-8-63).
- LEE, SAMUEL C., Fellow in Electrical Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (4-10-63).
- LEHMUEHL, GEORGE D., Dow Chemical Company Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,900 (3-30-63).
- LEWELLEN, WILLIAM D., Summer Fellow in Education, two months from June 16, 1963, \$375 (4-16-63).
- LEWIS, MARCIA S., Summer Fellow in Spanish, two months from June 16, 1963, \$375 (4-16-63).
- LI, YIU-CHUNG, Fellow in Civil Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- LIDEN, ANITA E., Augustana College Fellow in Library Science, nine months from September 16, 1963, \$1,500 (3-30-63).
- LILJE, GERALD W., Fellow in Philosophy, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- LILLQUIST, KENNETH W., Fellow in Art, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (4-24-63).
- LOSEE, DAVID L., National Aeronautics and Space Administration Fellow in Physics, one year from September 1, 1963, \$2,400 (3-30-63).
- LOWE, ANTHONY D., Fellow in Political Science, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- LUCAS, KENNETH R., Socony Mobil Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-19-63).
- LUNDQUIST, KAREN L., Teaching Fellow in Anthropology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- MAHANY, RICHARD P., Fellow in History, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- MALLIN, LEAH M., Knox College Fellow in Music, nine months from September 16, 1963, \$1,500 (3-30-63).
- MARSHALL, RUSSELL F., Monmouth College Fellow in Physics, nine months from September 16, 1963, \$1,500 (3-30-63).
- MARTIN, RICHARD T., Summer Fellow in English, two months from June 16, 1963, \$375 (4-16-63).
- MAY, DAVID R., Fellow in Psychology, nine months from September 16, 1963, \$1,500 (3-30-63).
- MAYBERRY, JOHN P., Fellow in Mathematics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- MAYOR, BRIAN H., Continental Oil Company Fellow in Mathematics, nine months from September 16, 1963, \$2,200 (4-15-63).
- MAYR, TROY A., Fellow in Social Work, nine months from September 16, 1963, \$1,500 (3-30-63).
- MCCARTHUR, CAROLYN O., Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (3-30-63).
- MCBRIDE, JOHN D., Summer Fellow in English, two months from June 16, 1963, \$375 (4-17-63).
- MCCLELLAN, GUERRY H., National Lead Fellow in Geology, nine months from September 16, 1963, \$1,500 (3-30-63).
- MCDERMOTT, JOHN P. J., Teaching Fellow in Mathematics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- MCGURK, DONALD J., Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (3-30-63).
- McKELLAR, A. C., Teaching Fellow in Electrical Engineering, nine months from September 16, 1963, \$1,500 (3-30-63).
- McMANN, MARSHA R., Teaching Fellow in Dance, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- McNATT, JERROLD L., Teaching Fellow in Physics, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$450 (3-30-63).
- McVINNIE, WILLIAM W., Fellow in Civil Engineering, nine months from September 16, 1963, \$1,500 (3-30-63).
- MEADOR, PRENTICE A., JR., Summer Fellow in Speech, two months from June 16, 1963, \$375 (4-17-63).

- MEEDEN, GLEN D., Summer Fellow in Mathematics, two months from June 16, 1963, \$375 (4-16-63).
- MEERSE, PEGGY C., Fellow in English, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- MEREDITH, DALE D., Fellow in Civil Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- MILLIGAN, DAVID V., National Aeronautics and Space Administration Fellow in Chemistry, one year from September 1, 1963, \$3,400 (3-30-63).
- MITCHELL, JAMES E., Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (3-30-63).
- MITCHELL, WILLIAM T., Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (3-30-63).
- MODE, V. ALAN, JR., Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- MOORE, JOHN N., Summer Fellow in Law, two months from June 16, 1963, \$375 (4-16-63).
- MOORE, WALTER P., JR., Fellow in Civil Engineering, nine months from September 16, 1963, \$1,500 (3-30-63).
- MOSSBARGER, JERRY A., Owens-Corning Fiberglas Fellow in Ceramic Engineering, eleven months from September 16, 1963, \$2,100 (3-30-63).
- MUIR, WILLIAM E., Teaching Fellow in Agricultural Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- NEUFELDT, LEONARD N., Fellow in English, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- NEUREUTHER, ANDREW R., Fellow in Electrical Engineering, nine months from September 16, 1963, \$2,000, and two months from June 16, 1963, \$500 (3-30-63).
- NEUSTEIN, SYLVIA J., Summer Fellow in French, two months from June 16, 1963, \$375 (4-16-63).
- NIEVERGELT, JURG, Fellow in Digital Computer Laboratory, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- NISS, JAMES F., Summer Fellow in Economics, two months from June 16, 1963, \$375 (4-16-63).
- O'CONNOR, LINDA H., Summer Fellow in Chemistry, two months from June 16, 1963, \$375 (4-16-63).
- ODER, DEAN A., Illinois College Fellow in History, nine months from September 16, 1963, \$1,500 (3-30-63).
- ONTMAN, MARILYN A., Fellow in English, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- PARADIS, WILLIAM O., Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (3-30-63).
- PATTON, FRANKLIN D., Fellow in Geology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- PAYNE, WILLIAM H., Edward Orton Jr. Ceramic Foundation Fellow in Ceramic Engineering, nine months from September 16, 1963, \$1,500 (3-30-63).
- PEREZ-ALBUERNE, EVELIO A., Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (3-30-63).
- PERMAN, J. MICHAEL, Fellow in History, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- PETERSEN, HAROLD, JR., Esso Research and Engineering Company Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-19-63).
- PETERSON, MARGARET A., Summer Fellow in Art, two months from June 16, 1963, \$375 (4-16-63).
- PETROSKI, HENRY J., Sloan Foundation Teaching Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1963, \$1,800 (3-30-63).
- PHILLIPS, ROBERT D., Fellow in Classics, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- PIEPMELER, EDWARD H., Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).



- PIERDOS, THEODORA A., Kendric C. Babcock Fellow in History, nine months from September 16, 1963, \$2,000 (3-30-63).
- POTEET, DANIEL P., II, Fellow in English, nine months from September 16, 1963, \$1,500 (3-30-63).
- PRITCHARD, LINDA, Fellow in English, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- PUCKETT, REGINALD T., Lubrizol Foundation Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-22-63).
- QUIRK, RODERIC P., Roger Adams Teaching Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (3-30-63).
- RAGSDALE, JAMES D., JR., Teaching Fellow in Speech, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- RAJA, K. G. VARMA, Wright Fellow in Animal Science, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- RANKIN, CAROLYN, Milliken College Fellow in English, nine months from September 16, 1963, \$1,500 (3-30-63).
- RICE, ULTAN M., Fellow in Psychology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- ROGERS, CHARLES A., Fellow in Physics, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$450 (3-30-63).
- ROHMALLER, PAUL L., Sloan Foundation Fellow in Civil Engineering, nine months from September 16, 1963, \$1,800 (4-9-63).
- RUPLEY, LAWRENCE A., Summer Fellow in Economics, two months from June 16, 1963, \$375 (4-16-63).
- SABACKY, MILTON J., Sinclair Oil Corporation Fellow in Chemistry, nine months from September 16, 1963, \$1,800 (4-19-63).
- SAWYER, JAMES A., Summer Fellow in Economics, two months from June 16, 1963, \$375 (4-17-63).
- SCHAEFER, DOUGLAS L., Fellow in Social Sciences, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- SCHIELD, SANDRA S., Katharine L. Sharp Fellow in Library Science, one year from June 16, 1963, \$500 (3-30-63).
- SCHNEIDER, BARBARA J., Fellow in Botany, nine months from September 16, 1963, \$1,500 (3-30-63).
- SCHRADER, LAWRENCE E., Fellow in Agronomy, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- SCHROEDER, WILLIAM F., United States Public Health Service Fellow (Trainee) in Veterinary Medicine, five months from March 1, 1963, \$2,375, supersedes (4-15-63).
- SCHWARTZ, RICHARD B., Fellow in English, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- SHALEK, PETER D., Fellow in Ceramic Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- SHAO, TZU-SIEN, Fellow in Mathematics, nine months from September 16, 1963, \$1,500 (3-30-63).
- SHARPE, THOMAS R., Dow Chemical Company Fellow in Chemistry, nine months from September 16, 1963, \$1,900 (4-19-63).
- SHEA, JAMES H., Shell Company Foundation Fellow in Geology, nine months from September 16, 1963, \$1,800 (3-30-63).
- SHIELDS, DOLORES D., Fellow in Music, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- SIEFERT, THOMAS E., Summer Fellow in History, two months from June 16, 1963, \$375 (4-16-63).
- SILBERSTEIN, ILAN, Fellow in Mechanical Engineering, February 1-June 15, 1964, \$750, and two months from June 16, 1964, \$375 (3-30-63).
- SIMS, LESLIE B., Fellow in Chemistry, September 16, 1963-January 31, 1964, \$900, and two months from June 16, 1963, \$540 (3-30-63).
- SINCLAIR, KENNETH E., Fellow in Education, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- SLATER, JOHN M., L. J. Norton Memorial Fellow in Agricultural Economics, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (4-8-63).
- SMITH, DON S., Summer Fellow in Law, two months from June 16, 1963, \$375 (4-16-63).

- SMITH, ROBERT A., Fellow in Electrical Engineering, nine months from September 16, 1963, \$1,500 (3-30-63).
- SMITH, ROGER A., Teaching Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (3-30-63).
- SMITH, THOMAS E., JR., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- SOLOMON, KENNETH I., Fellow in Accountancy, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- SORENSEN, ALMA D., James W. Garner Fellow in Political Science, nine months from September 16, 1963, \$2,000 (3-30-63).
- SPARROW, RITA L., Fellow in French, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- SPENCLEY, KENNETH J., Summer Fellow in English, two months from June 16, 1963, \$375 (4-16-63).
- STEFFEN, WILLIAM W., Teaching Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- STEIN, ALLAN R., Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (3-30-63).
- STERN, DANIEL H., Summer Fellow in Zoology, two months from June 16, 1963, \$375 (4-16-63).
- STEVENS, KENT R., Fellow in Dairy Science, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- STROMSTA, ROGER R., Teaching Fellow in Mechanical Engineering, nine months from September 16, 1963, \$1,500 (3-30-63).
- STURGUL, JOHN R., Special Fellow in Mining Engineering, nine months from September 16, 1963, \$2,000 (3-30-63).
- SU, JULIA K., Fellow in Chemistry, September 16, 1963-January 31, 1964, \$900, and two months from June 16, 1963, \$540 (3-30-63).
- SUSMAN, N. BRADLEY, Fellow in City Planning, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- SVOB, MICHAEL J., Summer Fellow in English, two months from June 16, 1963, \$375 (4-16-63).
- SWANSON, PAUL J., JR., Summer Fellow in Finance, two months from June 16, 1963, \$375 (4-16-63).
- SWANSON, ROGER M., North Central College Fellow in English, nine months from September 16, 1963, \$1,500 (3-30-63).
- SWINSON, HENRY W., Fellow in English, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- SWINSON, WELDON F., Teaching Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- TASCH, ALOYSIOUS F., JR., Fellow in Physics, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$450 (3-30-63).
- TAYLOR, DOUGLAS H., Fellow in Mathematics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- TAYLOR, JANE U., Fellow in Spanish, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- TERNES, JOHN, Summer Fellow in German, two months from June 16, 1963, \$375 (4-16-63).
- TILLING, JAMES R., Fellow in Political Science, nine months from September 16, 1963, \$1,900, and two months from June 16, 1964, \$475 (3-30-63).
- TILSON, LAVINA C., Fellow in Spanish, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- TORRES, DAVID, Fellow in Spanish, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- TRACEY, ROBERT J., Fellow in Electrical Engineering, nine months from September 16, 1963, \$1,500 (3-30-63).
- TRAVERS, KENNETH J., Fellow in Education, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- TREPTOW, RICHARD S., Summer Fellow in Chemistry, two months from June 16, 1963, \$375 (4-16-63).

- TRESCOTT, PETER C., Fellow in Geology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- TRUITT, WILLIAM J., Summer Fellow in Economics, two months from June 16, 1963, \$375 (4-16-63); and Fellow in Economics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- VAN BUEER, FRANKLIN D., Fellow in Economics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- VAN DER NAALD, ANJE C., Fellow in Spanish, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- VARS, EDWARD C., Hackett Fellow in Agronomy, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (4-1-63).
- VOICH, DAN, JR., Fellow in Business, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-28-63).
- VON RIESEN, RICHARD D., Teaching Fellow in Marketing, nine months from September 16, 1963, \$1,500, and two months from June 16, 1963, \$375 (3-30-63).
- WAGGENER, SARA E., Fellow in Psychology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- WAGNER, ROBERT E., Teaching Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- WALLACE, JAMES T., Summer Fellow in Zoology, two months from June 16, 1963, \$375 (4-16-63).
- WALTERS, JOHN P., Procter and Gamble Company Fellow in Chemistry, nine months from September 16, 1963, \$2,100 (4-19-63).
- WALTERS, WILLIAM B., Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- WARD, WILLIAM J., III, American Oil Foundation Fellow in Chemical Engineering, one year from September 1, 1963, \$3,600 (4-15-63).
- WASSERMAN, MARGO A., Fellow in English, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- WEAVER, WALTER L., III, Fellow in Aeronautical and Astronautical Engineering, nine months from September 16, 1963, \$1,500 (3-30-63).
- WEBER, CARL S., United States Public Health Service Fellow in Chemistry, one year from February 1, 1963, \$4,000 (4-2-63).
- WEBER, FRANK E., Fellow in Food Technology, nine months from September 16, 1963, \$1,800, and two months from June 16, 1964, \$600 (3-30-63).
- WEBSTER, LEE A., Automotive Safety Foundation Fellow in Highway Engineering, nine months from September 16, 1963, \$1,500 (3-30-63).
- WEINSTEIN, JAY A., Teaching Fellow in Sociology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- WEISGERBER, DAVID W., Fellow in Chemistry, September 16, 1963-January 31, 1964, \$900, and two months from June 16, 1963, \$540 (3-30-63).
- WELSH, ARTHUR L., Summer Fellow in Economics, two months from June 16, 1963, \$375 (4-16-63).
- WHITE, JOHN M., Fellow in Chemistry, nine months from September 16, 1963, \$1,800, and two months from June 16, 1963, \$600 (3-30-63).
- WICKRAMASINGHE, DIAMANTIA N. T., Fellow in Entomology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- WIDMANN, RUTH L., Fellow in English, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- WILEY, JACK C., Summer Fellow in Theoretical and Applied Mechanics, two months from June 16, 1963, \$375 (4-16-63).
- WILLIAMS, JUDITH A. O., Fellow in Biophysics, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).
- WILSON, DAVID W., Sprague Electric Company Fellow in Physics, nine months from September 16, 1963, \$2,100 (4-10-63).
- WOLFSON, MELVILLE Z., Fellow in Economics, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).
- WOODMANSEE, DONALD E., Sun Oil Company Fellow in Chemical Engineering, eleven months from September 16, 1963, \$2,300 (3-30-63).
- WOODS, PAULA M., Illinois Wesleyan University Fellow in English, nine months from September 16, 1963, \$1,500 (3-30-63).

- WU, SHU-YAU, Fellow in Electrical Engineering, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).  
WRIGHT, RAMIL C., Fellow in Geology, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).  
YANG, HENDERSON C. H., Teaching Fellow in Physics, nine months from September 16, 1963, \$2,000, and two months from June 16, 1964, \$500 (3-30-63).  
YODER, WILBUR E., Summer Fellow in Architecture, two months from June 16, 1963, \$375 (4-16-63).  
ZELNICK, STEPHEN C., Fellow in English, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (3-30-63).  
ZENGE, MICHAEL W., Teaching Fellow in Music, nine months from September 16, 1963, \$1,950, and two months from June 16, 1964, \$500 (3-30-63).

#### DECLINATIONS, RESIGNATIONS, AND TERMINATIONS

- ALLEMAN, MRS. WINIFRED, Assistant Agriculture Librarian, with rank of Instructor — resignation effective June 16, 1963.  
BAGBY, ROLAND M., United States Public Health Service Fellow (Trainee) in Physiology — termination effective April 1, 1963.  
BARBER, DENNIS, Instructor in Operative Dentistry (Dentistry) — resignation effective April 1, 1963.  
BAULING, DOUGLAS B., Teaching Fellow in Agricultural Engineering — resignation effective June 16, 1963.  
BELL, CHARLES L., Assistant Professor of Chemistry (Pharmacy), Summer Session of 1963 — declination effective July 29, 1963.  
BOND, JAMES A., Assistant Professor of Biological Sciences (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.  
BOWMAN, CLETUS E., Professor of Theoretical and Applied Mechanics, Summer Session of 1963 — declination effective June 17, 1963.  
CHABOT, ANDRE, Assistant Professor of Pediatrics (Medicine) — resignation effective May 7, 1963.  
CHIHARA, CHARLES S., Assistant Professor of Philosophy — resignation effective September 1, 1963.  
CORDELL, HOWARD W., Instructor in Library Science — resignation effective September 1, 1963.  
CRILEY, BRUCE B., Teaching Fellow in Zoology — resignation effective June 16, 1963.  
DIESING, PAUL R., Assistant Professor of Philosophy — resignation effective September 1, 1963.  
DIVILBISS, JAMES L., Research Associate in the Coordinated Science Laboratory — resignation effective May 1, 1963.  
DOCKRILL, MICHAEL L., Fellow in History — resignation effective June 16, 1963.  
EXUM, MRS. DOLORES B., Instructor in Medical Social Work (Medicine) — resignation effective April 28, 1963.  
FEINSTEIN, AMIEL, Assistant Professor of Mathematics — resignation effective April 1, 1963.  
FISHER, BARBARA N., Research Assistant in Chemistry — resignation effective September 16, 1962.  
FOGHT, MRS. MARTHA, Research Assistant in Zoology — resignation effective April 1, 1963.  
FROCHT, MAX M., Visiting Professor of Theoretical and Applied Mechanics — declination effective September 1, 1963.  
GALLAGHER, ROBERT E., Assistant Professor of English (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.  
HEILIGER, EDWARD M., Librarian in the Chicago Undergraduate Division and Professor of Library Administration — resignation effective September 1, 1963.  
HOLLON, GEORGE W., Associate Professor of Civil Engineering — resignation effective September 1, 1963.  
JOHNSON, CHARLES E., Associate Professor of Education, Summer Session of 1963 — declination effective June 17, 1963.  
MADSEN, ALBERT G., Research Associate in Marketing — resignation effective May 9, 1963.

- MEAGHER, GEORGE B., Assistant in Dermatology (Medicine) — resignation effective March 1, 1963.
- MOWBRER, WILLIE MAE, Assistant Professor of Home Economics, Summer Session of 1963 — declination effective June 17, 1963.
- NARASINGA-RAO, K. V., Research Associate in Electrical Engineering — resignation effective May 8, 1963.
- OSMAN, ELIZABETH M., Associate Professor of Home Economics — resignation effective September 1, 1963.
- RANGA RAO, R., Instructor in Mathematics, Summer Session of 1963 — declination effective June 17, 1963.
- RUBINSTEIN, MRS. VIRGINIA, Serials Cataloger in the Library, with rank of Instructor — resignation effective April 15, 1963.
- RYAN, DAVID G., Professor of Mechanical Engineering — declination effective June 16, 1963.
- SCOTTON, DONALD W., Associate Professor of Marketing, Summer Session of 1963 — resignation effective June 17, 1963.
- SHEA, JAMES H., Fellow in Geology — resignation effective June 16, 1963.
- SKOLEN, THORALF A., Visiting Professor of Mathematics — resignation effective April 15, 1963.
- SMITH, JAMES O., Professor of Theoretical and Applied Mechanics, Summer Session of 1963 — declination effective June 17, 1963.
- SWALLOW, RONALD J., United States Public Health Service Fellow (Trainee) in Biophysics — resignation effective February 1, 1963.
- THORNTON, HUBERT R., Research Associate in Ceramic Engineering — resignation effective May 16, 1963.
- THUN, EDWARD H., Research Assistant in Pharmacognosy and Pharmacology (Pharmacy) — resignation effective April 16, 1963.
- WEIDERT, JOHN F., Assistant Extension Editor, with rank of Instructor — resignation effective April 19, 1963.
- WEIMER, CLARA B., Assistant Professor of Psychology, Department of Psychiatry (Medicine) — resignation effective March 1, 1963.

#### LEAVES OF ABSENCE

- ELAZAR, DANIEL J., Assistant Professor in the Institute of Government and Public Affairs — leave of absence, without pay, for one month from July 1, 1963, so that he may take advantage of a research fellowship for study in the Huntington Library, San Marino, California.
- FREUND, ERIC C., Research Associate in the Bureau of Community Planning — extension of leave of absence, without pay, for continued service to the Illinois Board of Economic Development, from January 1 through August 31, 1963.
- FRITH, DONALD E., Associate Professor of Art — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a Danforth Fellowship for advanced study.
- HENNESSEY, JAMES J., Instructor in Art — additional leave of absence, without pay, for one year from September 1, 1963, so that he may continue his studies at the American Academy in Rome under a Prix de Rome Fellowship.
- KARSH, BERNARD, Associate Professor of Sociology, and in the Institute of Labor and Industrial Relations — leave of absence, without pay, for one year from September 1, 1963, for the purpose of study at Stanford University.
- KASKE, ROBERT E., Professor of English — leave of absence, without pay, beginning September 1, 1963, and continuing through February 29, 1964, so that he may accept a visiting professorship at Cornell University.
- NICHOLS, J. ALDEN, Associate Professor of History — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a Senior Fulbright Fellowship for study and research in Germany.
- PALMER, JOHN D., Assistant Professor of Biological Sciences (Chicago Undergraduate Division) — leave of absence, without pay, for one year from September 1, 1963, so that he may study and do research at the University of Bristol, in England, under a postdoctoral fellowship.
- PERLMUTTER, MRS. SHIRLEY, Instructor in Occupational Therapy (Medicine) — leave of absence, without pay, from June 24 through August 31, 1963.

ROSEN, SIDNEY, Associate Professor of Physical Science, in the Division of General Studies—leave of absence, without pay, for one year from September 1, 1963, so that he may serve as a Visiting Professor in Colombia, South America, under sponsorship of the Ford Foundation.

SAYRE, ROBERT F., Instructor in English—leave of absence, without pay, for one year from September 1, 1963, so that he may accept a Fulbright lectureship for lectures and studies in Sweden.

SPARGO, MRS. GLADYS R., Acquisition Assistant in the Library (Chicago Undergraduate Division)—leave of absence, without pay, beginning June 17 and continuing through July 31, 1963, so that she may attend the Graduate Library School in Urbana.

SPEER, FRANK X., Instructor in Fixed Partial Prosthodontics (Dentistry)—leave of absence, without pay, beginning March 22 and continuing through August 31, 1963, on account of illness.

STARR, CHESTER G., Professor of History—leave of absence, without pay, for one year from September 1, 1963, so that he may accept a visiting professorship at the University of Washington.

THOMAS, GARTH J., Professor of Physiology and Research Professor of Electrical Engineering—leave of absence, without pay, from July 15 through August 31, 1963, so that he may accept an invitation to teach in the Department of Psychology during the summer session at the University of Washington, Seattle.

WESTMEYER, PAUL, Assistant Professor of Education—leave of absence, without pay, for one year from September 1, 1963, so that he may accept a visiting assignment as staff member in the Science Education Center of the University of Texas.

#### RETIREMENTS

LENDRUM, FREDERICK C., Associate Professor of Medicine (Medicine)—retirement effective February 13, 1963.

#### JUNE AND JULY MEETINGS

President Clement reminded the Board that it had previously voted to hold its June meeting on Wednesday, June 19, in Peoria, and asked if any of the Trustees desired to offer suggestions concerning arrangements for the meeting. It was the consensus of the Trustees that the President and Secretary of the Board of Trustees should decide upon the place and the schedule of the meeting.

Consideration was also given to holding the July meeting on Tuesday, July 2, if the internal operating budget for 1963-64 can be prepared for presentation to the Board at that time.

#### EXECUTIVE SESSION

President Clement announced that an executive session had been requested and was being ordered for consideration of recommendations relating to property acquisitions and that this session would be held following a recess for luncheon.

At 12:45 p.m., on motion of Mr. Swain, the Board recessed.

Student representatives of the colleges and departments at the Medical Center, members of the Vice-President's Advisory Council, and members of the Medical Center Committee on Educational Policy were guests of the Board at luncheon and were introduced.

Following luncheon the Board reconvened, in executive session. The same members of the Board, officers of the University, and officers of the Board were present as recorded at the beginning of these minutes except for Mr. Ray Page, who asked to be excused.

The Board considered the following reports and recommendations.

**PURCHASE OF PROPERTIES**

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the following properties for the purposes and at the prices indicated:

- 1114 West Oregon Street, Urbana, for temporary housing..... \$34 000  
 A two-story and basement frame dwelling on a lot 65 feet by 157 feet;  
 possession will be delivered by June 15, 1963.  
 909-909½ South Fifth Street, Champaign, as part of the site for a resi-  
 dence hall for single graduate students..... 37 500  
 A three-story and basement frame house on a lot 57 feet by 140 feet;  
 possession will be delivered by July 1, 1963.

Funds are available in the state capital appropriations to the University from the 1961-63 Bond Issue and have been released.

The prices are consistent with appraisals secured by the University and with the recommendations for the acquisition of these properties which have previously been submitted to and concurred in by the Committee on Buildings and Grounds.

The Board of Trustees on March 20, 1963, authorized condemnation proceedings for acquisition of the property at 909-909½ South Fifth Street, Champaign. However, through subsequent negotiations, the price indicated has been agreed upon, which is within the limit authorized by the Committee on Buildings and Grounds. This price also appears to be the lowest price for which the property can be acquired without condemnation proceedings.

I recommend authorization of these purchases, and further recommend that the Board rescind its resolution of March 20, 1963, with respect to condemnation proceedings for acquisition of the property at 909-909½ South Fifth Street, Champaign.

On motion of Mr. Pogue, the purchase of these properties, at the prices recommended, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page.

**ACQUISITION OF PROPERTY AT 1306 WEST STOUGHTON STREET,  
 URBANA, ILLINOIS**

(2) University representatives have been negotiating for the purchase of the property at 1306 West Stoughton Street, Urbana, Illinois. The property is a lot 44 feet by 132 feet (5,808 square feet) with a two-story and basement frame building now used as an apartment by the owner and for student rooms. The land is needed as part of the site for College of Engineering buildings, and specifically for the new Civil Engineering Building.

On the basis of University appraisals, the owners have been advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$22,000, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

Accordingly, the Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property At  
 1306 West Stoughton Street, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

The West Forty-four (44) feet of Lot Nine (9) in Block Fifty-one (51) of the Seminary Addition to Urbana, and all of Lot Nine (9) except the East

Twenty-two (22) Feet thereof in Block Fifty-one (51) in the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign, in the State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for expansion of the facilities of the College of Engineering, as a site for a Civil Engineering Building addition, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page.

**PURCHASE OF PROPERTY AT 1310 WEST STOUGHTON STREET.  
URBANA, ILLINOIS**

(3) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 1310 West Stoughton Street, Urbana,



Illinois, at a price of \$20,000, required as part of the site for construction of the new Civil Engineering Building.

The property consists of a lot 50 feet by 132 feet (6,600 square feet) and is improved with a one-story and basement frame dwelling.

The Committee on Buildings and Grounds has been consulted regarding this purchase and recommends approval.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Hughes, the purchase of this property at the price recommended was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page.

At 3:00 p.m., on motion of Mr. Hughes, the Board recessed until 7:30 p.m.

#### EVENING SESSION

Pursuant to the schedule announced in the official notice of today's meeting of the Board of Trustees of the University of Illinois, the Board reconvened at 7:30 p.m. in the Illinois Room of the LaSalle Hotel, Chicago. This session was held at the LaSalle Hotel for the convenience of the public and especially representatives of the contractors interested in the awards of the Congress Circle construction contracts.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Ray Page and Governor Otto Kerner were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker of the Chicago Undergraduate Division, Vice-President Joseph S. Begando of the Medical Center, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Edward S. Sefcik and Mr. Donald C. Neville, Assistants to the Director of the Physical Plant, Mr. Richard Kreutz of the firm of Skidmore, Owings, and Merrill, Architects and Engineers, Chicago; and the officers of the Board, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

#### CAPITAL BUDGET AND BUILDING PROGRAM FOR 1963-65

President Clement announced that Mr. Williamson as Chairman of the Finance Committee desired to present a resolution with respect to the University's capital budget for 1963-65 in the event that some action may need to be taken prior to the June meeting of the Board of Trustees and it is not feasible to call a special meeting of the Board. Mr. Williamson offered the following:

*Resolved:* That the Executive Committee of the Board of Trustees is empowered to take whatever action it deems necessary to modify the form of the University's capital budget request for 1963-65, as heretofore approved, to adjust the capital needs expressed in that budget to any funding arrangement which

supplies such capital from sources other than state appropriations, such as the Illinois Building Authority.

This resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

#### CONTRACTS FOR CONSTRUCTION OF THE CONGRESS CIRCLE CAMPUS

At the request of the President of the University, Director C. S. Havens of the Physical Plant presented a report he had made to the President on May 13, 1963, on the bids received on April 11 and 18, 1963, for all construction at the Congress Circle Campus with the exception of the Heating Plant and the Congress Circle Union Building. Copies of the report were distributed to all the Trustees at the meeting (and subsequently were sent to the absentees), and a copy was filed with the Secretary for record. Following this report, Director Havens presented specific recommendations made by him and the Vice-President and Comptroller for the award of contracts for construction of buildings, and other improvements, on the Congress Circle Campus including: the Staff and Administration Offices Building, Classroom Complex Building, Library Building, Site Development—Lecture Center, Engineering and Sciences Laboratories Building, Physical Plant Building, and landscaping, the award in each case being to the lowest bidder.

Director Havens announced that recommendations will be submitted later for awards of contracts for the Heating Plant and the Union Building, which will complete construction of the first phase of the Congress Circle Campus.

The specific recommendations for the awards of contracts follow.

General Work (Division I) for all projects—Gust K. Newberg Construction Company, Chicago.....	\$23 943 930 00
Base bid .....	\$23 422 000 00
Additive alternates	
Assignment of other contracts to the general contractor .....	150 000 00
Painting various interior areas.....	3 000 00
Painting corridors .....	13 000 00
Substitute glass of 1 to 3 per cent light transmission for 9 to 11 per cent in the classroom complex .....	34 300 00
Substitute masonry wall for a chain link fence at Blue Island Avenue and at Roosevelt Road .....	40 000 00
Substitute Morgan Street entrance for a Blue Island entrance.....	35 000 00
Construct ramp and elevated walkway across Taylor Street.....	143 000 00
Add suspended acoustical ceilings to certain rooms in the Staff and Administration Offices Building .....	3 000 00
Substitute plaster finish coat construction for dry wall in Staff and Administration Offices Building .....	33 000 00
Substitute concrete for stabilized base for areas to be paved.....	68 000 00

Deductive alternate		
Omit certain pipe railings in the Engineering and Sciences Laboratories Building.....	370 00	
Plumbing (Division II) for the		
Staff and Administration Offices Building — Nu-Way Plumbing Service, Inc., Chicago.....	269 000 00	
Classroom Complex — E. Ranieri and Sons Plumbing and Heating Corporation, Chicago.....	172 998 00	
Library — E. Ranieri and Sons Plumbing and Heating Corporation, Chicago .....	96 488 00	
Site Development — Lecture Center — Economy Plumbing and Heating Company, Inc., Skokie.....	498 000 00	
Engineering and Sciences Laboratories — Frank S. Bellis, Berwyn.....	396 500 00	
Base bid .....	\$ 398 000 00	
Deductive alternate for substitution of pyrex pipe for Duriron pipe.....	— 1 500 00	
Physical Plant Building — Ewing Plumbing, Inc., River Forest .....	78 790 00	
Heating, Piping, Refrigeration, and Automatic Temperature Control Systems (Division III) for the		
Staff and Administration Offices Building — Gage Park Heating Company, Inc., Chicago.....	464 900 00	
Classroom Complex — Frank S. Bellis, Berwyn.....	515 000 00	
Library — William A. Pope Company, Chicago.....	162 000 00	
Site Development — Lecture Center — P. Nacey Company, Chicago.....	617 000 00	
Engineering and Sciences Laboratories — P. Nacey Company, Chicago.....	349 300 00	
Physical Plant Building — P. Nacey Company, Chicago.....	115 000 00	
Ventilating and Distribution Systems for Conditioned Air (Division IV) for all projects — H. G. Prizant and Company, Chicago.....	1 285 000 00	
Electric Wiring (Division V) for all projects — Fischbach, Moore, and Morrissey, Inc., Chicago .....	3 150 069 00	
Base bid .....	\$ 3 144 000 00	
Additive alternate for lighting at Taylor Street Bridge .....	6 069 00	
Laboratory Furniture (Division VI) for the Engineering and Sciences Laboratories — Metalab Equipment Company, Hicksville, New York .....	556 864 00	
Landscape Work — Felix Grundstrom Landscaping Company, Niles.....	360 381 50	
Base bid .....	\$ 242 900 00	
Additive alternates for providing lawn in the following areas:		
North of Harrison, west of Morgan.....	23 033 00	
North of Harrison, east of Morgan.....	5 941 00	
North of Harrison, west of Halsted.....	5 563 00	
South of Harrison, west of Halsted.....	12 436 00	
East of Halsted, north of Taylor.....	10 502 50	
East of Morgan, north of Arthington.....	2 544 00	
North of Taylor, east of Blue Island.....	7 932 00	
North of Taylor, west of Halsted.....	5 204 00	
West of Halsted, south of Taylor.....	18 240 00	
East of Halsted, south of Taylor.....	11 354 00	
Lawn in lieu of Blue Island Entrance.....	5 272 00	
Landscaping for Morgan Street Entrance.....	9 460 00	
<b>Total .....</b>	<b>\$33 031 220 50</b>	

It is also recommended that an agreement be executed with the Gust K. Newberg Construction Company, Chicago, for the assignment to this Company of all contracts other than the general contract and the

contract for landscaping at a fee of \$150,000, which is the amount bid by that Company for a service charge for supervision of other contracts assigned to the general contractor. This will make the total contract with the Gust K. Newberg Construction Company \$32,670,839.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, subject to release by the Governor.

Copies of the foregoing recommendation were distributed to the Trustees at the meeting with a supporting report from the Physical Plant Department, including a summary of bids received, a copy of which was filed with the Secretary of the Board for record.

The President of the University stated that he concurs in these recommendations.

At the conclusion of this presentation, representatives of some of the bidders requested, and were granted permission by the Board in each case, to ask questions and to present statements. Representatives of the following firms were heard:

P. Nacey Company, Chicago, with respect to awarding this Company all contracts in Division III;

Corbetta Construction Company, Inc., New York, with respect to the contract for Division I (general work on the Site Development — Lecture Center);

Modine Manufacturing Company, a subcontractor, with respect to supplying equipment for Division III.

Replies to the questions raised were made by Director Havens and Mr. Richard Kreutz of the firm of Skidmore, Owings and Merrill, Architects and Engineers, Chicago.

On May 16, the day following the Board of Trustees meeting, a telegram was received from a representative of the George A. Fuller Company, Chicago and New York, with respect to that Company's bid for the general work for the Staff and Administration Offices Building. A copy of that telegram and the reply has been filed with the Secretary of the Board for record.

Copies of correspondence, subsequent to the Board of Trustees meeting, concerning the questions raised by the representatives of the Modine Manufacturing Company and the representatives of the Corbetta Construction Company, Inc., have also been filed with the Secretary for record.

At the conclusion of the discussion of the questions raised, on motion of Mr. Johnston, the recommendations for the awards of the contracts as presented were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Governor Kerner, Mr. Page.

On motion of Mr. Johnston, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

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**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**June 19, 1963**



The June meeting of the Board of Trustees of the University of Illinois was held in the Pere Marquette Hotel, Peoria, Illinois, on Wednesday, June 19, 1963, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Earl M. Hughes, Governor Otto Kerner, and Mr. Ray Page were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. V. L. Kretschmer, Director of Auxiliary Services, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. R. R. Manchester, Treasurer, and Mr. A. J. Janata, Secretary. Professor Charles H. Bowman of the College of Law was present for a part of the meeting.

**MINUTES APPROVED**

The Secretary presented the minutes of the meetings of the Board of Trustees on September 19, October 17, and November 9, 1962, press proof copies of which have previously been sent to the Board.

On motion of Mr. Johnston, these minutes were approved as printed on pages 49 to 261, inclusive.

**REPORT OF EXECUTIVE COMMITTEE ON CHANGE IN CONTRACT FOR CONSTRUCTION OF CONGRESS CIRCLE**

The Secretary presented the following report:

On recommendation of the Director of the Physical Plant and with the concurrence of the President of the University, the Executive Committee has authorized an increase of \$56,000 in the contract with Gust K. Newberg Construction Company, General Contractors, Chicago, for the construction of buildings at Congress Circle to include removal of buildings I, II, III, IV, and V of parcel No. 13-216 which are part of the Hull House group. The contractor is willing to undertake this additional work to expedite construction and has submitted a quotation under the same conditions on which bids were received by the Department of Urban Renewal. It is not practicable for the Department to attempt to demolish these buildings within the period of time available without serious danger of delay to the University's construction program and also because of the possibility of complications arising between the University's contractor and the City's demolition contractor working in the same area. The City will reimburse the University for this work.

THE EXECUTIVE COMMITTEE  
MR. WAYNE A. JOHNSTON  
MRS. FRANCES B. WATKINS  
MR. HOWARD W. CLEMENT

On motion of Mrs. Watkins, the action of the Committee was confirmed.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**  
The Board took up consideration of the following reports and recommendations from the President of the University.

**PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

**AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
ARTHUR ROBERT BETZ	St. Louis, Missouri	Missouri
JOHN MICHAEL CONNOLLY	Chicago, Illinois	District of Columbia
WENDELL H. FINKBEINER	Mt. Prospect, Illinois	Michigan
THOMAS ALBAN JONES	Western Springs, Illinois	North Carolina
RAYMOND FRANCES KIEWIT	Brookfield, Wisconsin	Wisconsin
HERBERT G. SIEPERT	Beloit, Wisconsin	Wisconsin
RALPH WILLIAM SIMON	St. Louis, Missouri	Missouri
ALLAN WEHRMEYER	Metropolis, Illinois	District of Columbia
WALTER JOSEPH ZIMBRICH	Beloit, Wisconsin	Wisconsin

I concur.

On motion of Mr. Johnston, these certificates were awarded.

## APPOINTMENTS TO THE FACULTY

(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. DAVID C. BAUM, Assistant Professor of Law, beginning September 1, 1963, at an annual salary of \$10,500.
2. GORDON A. BAYM, Visiting Research Assistant Professor of Physics, for the academic year 1963-64, at a salary of \$8,100.
3. WILLIAM E. BELL, Assistant Professor of Marketing, beginning September 1, 1963, at an annual salary of \$9,000.
4. NORMAN BLACKBURN, Visiting Associate Professor of Mathematics, for three months from June 16, 1963, at a salary of \$3,802.
5. VLASTIMIL P. BORECKY, Visiting Professor of General Engineering, beginning September 1, 1963, at an annual salary of \$10,000.
6. HAROLD F. BREIMYER, Visiting Research Professor of Economics and of Agricultural Economics, for one year from July 1, 1963, at a salary of \$16,000.
7. MAYNARD J. BRICHFORD, University Archivist in the Library, with rank of Associate Professor, beginning September 1, 1963, at an annual salary of \$11,000.
8. IRVING CANTER, Associate Professor in the Jane Addams Graduate School of Social Work, for one month from August 1, 1963, at a salary of \$1,222, and beginning September 1, 1963, at an annual salary of \$11,000.
9. JOHN W. CHRISTIAN, Visiting Professor in the Department of Mining, Metallurgy, and Petroleum Engineering, for one month from June 16, 1963, at a salary of \$1,800.
10. GODWIN C. CHU, Research Assistant Professor in the Institute of Communications Research and Assistant Professor of Journalism, beginning September 1, 1963, at an annual salary of \$7,200.
11. CLARK EDWARD CUNNINGHAM, Visiting Assistant Professor of Anthropology, for the academic year 1963-64, at a salary of \$7,000.
12. RICHARD DAVENPORT, Assistant Professor of Zoology, beginning September 1, 1963, at an annual salary of \$8,500.
13. NICOLAOS A. ECONOMOU, Visiting Associate Professor of Physics, beginning September 1, 1963, at an annual salary of \$10,400.
14. L. ETHAN ELLIS, Visiting Professor of History, for the first semester of 1963-64, at a salary of \$7,500.
15. ROBERT N. FARVOLDEN, Assistant Professor of Geology, beginning February 1, 1964, at an annual salary of \$9,100.
16. VINCENZO FERRARO, George A. Miller Visiting Professor of Astronomy and of Electrical Engineering, for five months from September 1, 1963, at a salary of \$6,500.
17. ALBERT P. FOULKES, Assistant Professor of German, beginning September 1, 1963, at an annual salary of \$7,000.
18. HYMAN GABAI, Assistant Professor of Mathematics and of Education, University High School, for three months from June 1, 1963, at a salary of \$4,273, and beginning September 1, 1963, at an annual salary of \$13,000.
19. WILLIAM LEO GAMBLE, Assistant Professor of Civil Engineering, beginning September 1, 1963, at an annual salary of \$8,000.
20. HARRY HAILE, Associate Professor of German, beginning September 1, 1963, at an annual salary of \$9,500.
21. ROBERT LOUIS HASS, Assistant Professor of Hygiene and Dentist in the Health Service, beginning September 1, 1963, at an annual salary of \$12,000.
22. ALOIS R. HASTREITER, Assistant Professor of Pediatrics, beginning July 1, 1963, on one-half time, at an annual salary of \$6,000.
23. PETER H. HAY, Assistant Professor of Law, beginning September 1, 1963, at an annual salary of \$11,000.
24. CLAUDE A. HENDRIX, JR., Assistant Professor of Hygiene, Staff Physician in Health Center and McKinley Hospital, in the Health Service, beginning September 1, 1963, at an annual salary of \$15,000.
25. BERTRAM HUPPERT, Visiting Professor of Mathematics, for the academic year 1963-64, at a salary of \$14,000.
26. SURESH C. JAIN, Visiting Research Professor of Physics, for two months from June 7, 1963, at a salary of \$3,200.



27. HARRY M. JOHNSON, Visiting Professor of Sociology, for the academic year 1963-64, at a salary of \$12,000.
28. MILDRED SPITLER JOHNSON, Consultant in the Jane Addams Graduate School of Social Work, with rank of Assistant Professor, beginning April 1, 1963, on one-half time, at an annual salary of \$5,000.
29. KARL KÄFER, Visiting Professor of Accountancy, for the academic year 1963-64, at a salary of \$12,000.
30. HARRY D. KRAUSE, Assistant Professor of Law, beginning September 1, 1963, at an annual salary of \$10,500.
31. JOHN W. KRONIK, Assistant Professor of Spanish, Italian, and Portuguese, beginning September 1, 1963, at an annual salary of \$8,000.
32. RICHARD FRANCIS KUISEL, Assistant Professor of History, beginning September 1, 1963, at an annual salary of \$7,500.
33. CHARLOTTE L. LAMBERT, Associate Professor of Physical Education for Women, beginning September 1, 1963, at an annual salary of \$10,100.
34. DONALD ALFRED MARKWALDER, Assistant Professor of Economics, beginning September 1, 1963, at an annual salary of \$9,000.
35. HUGH MCLEAN, Visiting Professor of Russian, for the first semester of the academic year 1963-64, at a salary of \$4,500.
36. DUANE METZGER, Assistant Professor of Anthropology, for four and one-half months from September 16, 1963, at a salary of \$4,100.
37. ROBERT A. MILLER, Associate Professor of Pediatrics, College of Medicine, beginning July 1, 1963, at an annual salary of \$9,000.
38. ROGER G. OLSTAD, Visiting Assistant Professor in the Department of Secondary and Continuing Education, for the academic year 1963-64, at a salary of \$8,500.
39. CENAP ORAN, Assistant Professor of Civil Engineering, beginning September 1, 1963, at an annual salary of \$7,800.
40. BETTY E. ORR, Visiting Associate Professor in the Department of Educational Psychology, College of Education, beginning September 16, 1963, at an annual salary of \$9,500.
41. HAROLD H. ORVIS, Assistant Professor of Preventive Medicine, beginning September 1, 1963, at an annual salary of \$18,000.
42. FRAZER G. POOLE, Professor of Library Administration and Librarian, Chicago Undergraduate Division, beginning September 1, 1963, at an annual salary of \$15,000.
43. MORRIS PRIPSTEIN, Research Assistant Professor of Physics, beginning September 16, 1963, at an annual salary of \$9,000.
44. THOMAS M. SCHEIDEL, Associate Professor of Speech and Theatre, beginning September 1, 1963, at an annual salary of \$10,000.
45. HERBERT I. SCHILLER, Research Associate Professor in the Bureau of Economic and Business Research, beginning September 1, 1963, at an annual salary of \$13,000.
46. RUDOLF SCHRADER, Visiting Associate Professor of Physics, beginning October 1, 1963, at an annual salary of \$15,000.
47. JULIAN L. SIMON, Assistant Professor of Advertising, beginning September 1, 1963, at an annual salary of \$8,200.
48. RITA J. SIMON, Associate Professor of Sociology and Research Associate Professor in the Institute of Communications Research, beginning September 1, 1963, at an annual salary of \$7,200.
49. DANIEL M. SLATE, Research Associate Professor in the Bureau of Economic and Business Research, for two and one-half months from June 15, 1963, at a salary of \$3,195.
50. EARL W. STARK, Assistant Professor of Speech and Theatre, beginning September 1, 1963, at an annual salary of \$7,500.
51. MARIANNA TREKELL, Assistant Professor in the Department of Secondary and Continuing Education, on three-fourths time, and in the Department of Physical Education for Women, on one-fourth time, beginning September 1, 1963, at an annual salary of \$8,200.
52. PRISCILLA TYLER, Associate Professor of English and Counselor in Teacher Education, beginning September 1, 1963, at an annual salary of \$10,200.
53. CONSTANTIN D. USZYNSKI, Assistant Professor of Russian, beginning September 1, 1963, at an annual salary of \$7,300.

54. SHIGURO WATANABE, Visiting Assistant Professor of Physics, for the academic year 1963-64, on one-third time, at a salary of \$3,000.
55. JOSEPH W. WENZEL, Assistant Professor of Speech and Theatre, beginning September 1, 1963, at an annual salary of \$7,800.
56. DUANE H. WHITTIER, Visiting Assistant Professor of Philosophy, for the academic year 1963-64, at a salary of \$8,000.
57. BRIAN F. WILKIE, Assistant Professor of English, beginning September 1, 1963, at an annual salary of \$7,500.
58. MARTIN L. ZEIGLER, Assistant Provost and Director of Institutional Studies, with rank of Associate Professor, in the Office of the Executive Vice-President and Provost, beginning July 1, 1963, at an annual salary of \$18,500.

On motion of Mr. Dilliard, these appointments were confirmed.

#### DEPARTMENT OF FOOD TECHNOLOGY

- (3) The Department of Food Technology, the Executive Committee, and the Dean of the College of Agriculture recommend a change in the name of the Department to Department of Food Science. This change will apply only to the name of the Department and will not change the curricula, courses, or degrees. Food Technology courses will become Food Science courses and the degrees granted will be in Food Science instead of Food Technology.

I concur.

On motion of Mr. Williamson, this recommendation was approved.

#### HOSPITAL-MEDICAL SERVICE PLAN. CHICAGO UNDERGRADUATE DIVISION

- (4) Based on a recent survey of the academic staff by the Chicago Undergraduate Senate Committee on Retirement, Hospitalization, and Insurance, this Committee recommended to the Chicago Undergraduate Division Senate that the Blue Cross-Blue Shield program be discontinued and that the University of Illinois Hospital and Medical Service Plan be adopted effective October 1, 1963. The Chicago Undergraduate Division Senate approved this recommendation at their meeting on April 9, 1963.

The Nonacademic Employees Council of the Chicago Undergraduate Division also approved the adoption of the University of Illinois Hospital and Medical Insurance Plan. This approval was based upon the results of a questionnaire sent to all nonacademic employees by the Nonacademic Employees Council under date of April 23, 1963.

The Vice-President in charge of the Undergraduate Division and the Vice-President and Comptroller concur in recommending adoption of the University of Illinois Hospital and Medical Service Plan at the Chicago Undergraduate Division effective October 1, 1963.

On motion of Mr. Swain, this recommendation was approved.

#### WORKING CASH FUNDS, CHICAGO DIVISIONS

- (5) The Board of Trustees has authorized a working cash fund for the University of Illinois at the Medical Center, Chicago, and petty cash funds for the Medical Center and for the Chicago Undergraduate Division. The working cash fund is used for processing vouchers drawn on state appropriations in cases when there is inadequate time to follow the normal procedures of payment through the State Auditor. Reimbursements of expenditures made from the working cash funds are by vouchers processed against state appropriations.

Petty cash funds are used for the establishment of small cash funds in departments, advances to staff traveling on University business, and payment of salaries which are due but which, because of state processing schedules, were not included on regular payrolls. For the latter, reimbursement of the petty cash fund is secured through processing routine payrolls.

It has been found that the amount allocated for working cash funds in Chicago has been greater than that needed and that petty cash funds have been inadequate. The Vice-President and Comptroller recommends the following changes in these fund authorizations:

	<i>From</i>	<i>To</i>
Medical Center Working Cash Fund.....	\$100 000	\$ 50 000
Medical Center Petty Cash Fund.....	30 000	60 000
Undergraduate Division Petty Cash Fund.....	15 000	35 000
	<u>\$145 000</u>	<u>\$145 000</u>

I concur.

On motion of Mr. Pogue, this recommendation was approved.

#### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(6) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations and assignments of funds from the University General Reserve:

##### *Urbana-Champaign*

1. Health Service	
McKinley Hospital, overbed tables and wall closets.....	\$ 5 852
2. College of Liberal Arts and Sciences	
Department of Chemistry and Chemical Engineering, equipment.....	5 146
Department of Physiology and Biophysics, equipment (to match a grant from the National Science Foundation).....	25 707
Department of Psychology, equipment (to match a grant from the National Science Foundation).....	24 980
Department of Chemistry and Chemical Engineering, equipment (to match a grant from the National Science Foundation).....	25 000
3. Physical Plant Department	
Remodeling rifle range and office space in Armory.....	17 680
Remodeling building at 807 South Lincoln Avenue for College of Veterinary Medicine .....	5 115
Remodeling in Animal Sciences Laboratory for Department of Dairy Science.....	4 385
Remodeling paleontological laboratory of Department of Geology....	11 200
Air conditioning, and moving of houses at 606 and 606½ South Mathews Avenue to 1205 West Nevada Street to provide additional land for construction of East Chemistry Building.....	59 000
Remodeling in Chemistry Annex and Noyes Laboratory for Department of Chemistry and Chemical Engineering.....	23 310
Remodeling in Horticulture Field Laboratory for Departments of Plant Pathology and Horticulture.....	20 380
Electrical service for window air conditioners in David Kinley Hall...	18 480
Remodeling and air conditioning to convert Woodshop into research space for Department of Civil Engineering.....	47 740
Renovation of ventilation system in Chemistry Annex laboratories for Department of Chemistry and Chemical Engineering (this assignment is in addition to \$16,900 presently available).....	28 510
<i>Total</i> .....	<u>\$322 485</u>

I concur.

On motion of Mr. Swain, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### ASSIGNMENT OF FUNDS BY ATHLETIC ASSOCIATION

(7) The Board of Directors of the Athletic Association has approved an assignment of \$5,000 to supplement the contribution of the Athletic Association to the Grants-in-Aid Fund of the University of Illinois Foundation for athletic grants.

Confirmation of this action is requested.

On motion of Mr. Pogue, this action was confirmed.

#### CONTRACTS FOR MINOR BUILDING ALTERATIONS AND REPAIRS

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of cost-plus contracts with the following contractors

for minor building alterations, repairs, and construction work for the period July 1, 1963, through June 30, 1964.

General — Clarence H. Siems, doing business as Clarence H. Siems Company, Urbana

Electrical — Brunkow Electric Company, Champaign

Plumbing — Willis H. and W. C. Thomas, a partnership doing business as Thomas Plumbing and Heating Company, Urbana

Heating and Ventilating — R. H. Bishop Company, Champaign

These contracts are for work which does not justify the cost of preparing separate drawings and specifications and of separate bidding procedures on each project. The several contractors bid on percentages to be added to actual material, labor, and subcontract costs, depending in many cases on the size of the particular division of work with specified limits of four ranges.

Work will be done as ordered by the Physical Plant Department and will be paid for on the basis of the actual cost of each job plus contractors' fees. A schedule of bids taken showing the percentages to be added for work to be executed under these cost-plus contracts is submitted herewith, and a copy of the schedule is being filed with the Secretary of the Board for record as the basis for the contract awards recommended. No assignment of funds is requested and each job will be covered by a contract change order charged against funds allocated for the project.

It is further recommended that the Vice-President and Comptroller be authorized to approve orders under these contracts up to \$25,000 on each project provided that any orders exceeding this amount shall be submitted to the Board of Trustees for approval in advance, in accordance with previous practice and authorization.

I concur.

On motion of Mrs. Watkins, these contracts were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### **CONTRACT FOR PLASTERING, PLASTER PATCHING AND REPAIRS, AND ACOUSTICAL WORK**

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a cost-plus contract to George S. Grimmert, doing business as George S. Grimmert and Company, Springfield, the lowest bidder, for plastering, plaster patching and repairs, and acoustical work during the fiscal year ending June 30, 1964, on the basis of a contractor's fee of 13.9 per cent of all actual job costs as determined by itemized billing.

I concur.

On motion of Mr. Johnston, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### **CONTRACT FOR CONSTRUCTION OF DAIRY HERDSMAN'S COTTAGE ADDITION**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$7,081 to C. P. Bauman and Son, Champaign, the lowest bidder, for construction of an addition to, and minor remodeling in, the Dairy Herdsman's Cottage on the South Lincoln Avenue Farm. Dairy Science Department funds are available for this improvement.

I concur.

On motion of Mr. Pogue, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

# **CONTRACTS FOR CONSTRUCTION OF VETERINARY MEDICINE RESEARCH ANNEX ADDITION**

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for construction of an addition to the Veterinary Medicine Research Annex, the award in each case to the lowest bidder:

General—Pathman Construction Co., Chicago.....	\$194 281
Base bid .....	\$186 981
Additive alternate for revisions on the first floor.....	2 700
Additive alternate for assignment of other contracts.....	4 600
Laboratory Furniture—Laboratory Furniture Company, Inc., Mineola, New York.....	19 772
Base bid .....	\$ 18 171
Additive alternate for revisions in installation in Room 6a.....	1 481
Additive alternate for installation of aluminum distilled water valves .....	120
Dumbwaiter—Otis Elevator Company, Chicago.....	5 913
Electrical—G. L. Wilskey, an individual doing business as Downtown Electric, Urbana .....	19 505
Base bid .....	\$ 19 025
Additive alternate for revisions in the first floor.....	320
Additive alternate for work on monorail system.....	110
Additive alternate for installation of electrical outlets for laboratory furniture in Room 6a.....	50
Plumbing—Healy Plumbing and Heating Company, St. Paul, Minnesota.....	21 009
Base bid .....	\$ 17 900
Additive alternate for revisions in the first floor.....	561
Additive alternate for distilled water still.....	1 249
Additive alternate for distilled water piping to laboratory furniture on the second floor.....	876
Additive alternate for connection of laboratory service fixtures in the additional laboratory furniture in Room 6a .....	287
Additive alternate for distilled water piping to Room 6a...	136
Heating, Piping, and Refrigeration—R. H. Bishop Company, Cham- paign .....	44 453
Base bid .....	\$ 43 700
Additive alternate for installation of distilled water still...	753
Ventilating and Sheet Metal Work—Petry Roofing and Sheet Metal Company, Champaign .....	27 237
<i>Total</i> .....	<i>\$332 170</i>

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract \$332,170, and it is further recommended that an agreement be entered into with Pathman Construction Co., Chicago, for the assignment of these other contracts for \$4,600, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available from a grant to the University from the National Institutes of Health, state capital appropriations to the University for 1961-63 from the Universities Building Fund, which have been released, and from indirect costs on government contracts for research related to this project.

Submitted herewith is a report from the Physical Plant Department, including a summary of bids received, a copy of which is being filed with the Secretary of the Board.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**CONTRACTS FOR CONSTRUCTION OF REHABILITATION CENTER**

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for construction of the first phase of the Rehabilitation Center Building to be erected at the northwest corner of Stadium Drive and Oak Street, Champaign, the award in each case being to the lowest bidder:

General—A. F. Krall Construction Company, Inc., Decatur.....	\$526 030
Base bid .....	\$496 247
Additive alternate for assignment of other contracts.....	14 000
Additive alternate for extension of basement under un-	
excavated areas .....	19 883
Deductive alternate for substituting painting for vinyl cov-	
ering on wall surfaces.....	— 4 100
Electrical—Square Deal Electrical Contracting, Inc., Urbana.....	72 035
Base bid .....	\$ 71 000
Additive alternate for extension of basement under un-	
excavated areas .....	1 035
Plumbing—David William Reichard and David Warren Reichard, a	
partnership doing business as David W. Reichard Plumbing and	
Heating, Urbana .....	77 800
Base bid .....	\$ 76 000
Additive alternate for extension of basement under un-	
excavated areas .....	1 800
Heating—Healy Plumbing and Heating Company, St. Paul, Minnesota	99 412
Base bid .....	\$ 98 235
Additive alternate for extension of basement under un-	
excavated areas .....	1 177
Ventilating—R. H. Bishop Company, Champaign.....	81 136
Base bid .....	\$ 75 800
Additive alternate for extension of basement under un-	
excavated areas .....	5 336
Total.....	\$856 413

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract \$856,413 and it is further recommended that an agreement be entered into with A. F. Krall Construction Company, Inc., Decatur, for the assignment of these other contracts for \$14,000, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

If the foregoing recommendations are approved, the Director of the Physical Plant and the Vice-President and Comptroller also recommend an increase of \$3,456 in the contract with A. F. Krall Construction Company, Inc., Decatur, for the purchase and installation of lockers for dressing rooms. This change in the contract was negotiated after the receipt of bids; one-third of the cost of this installation will be paid from a federal grant for the project.

Funds are available in a grant from the United States Public Health Service (Public Health Service III. 164), from private donations, and in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

I concur in the foregoing recommendations, subject to final approval of the federal grant by the United States Public Health Service.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, and the increase in the general contract was authorized, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**CONTRACT FOR CONSTRUCTION OF MATERIALS  
RESEARCH LABORATORY, PHASE I**

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$167,163 to the Pathman Construction

Co., Chicago, the lowest bidder, for Phase I construction of the Materials Research Laboratory. Phase I will consist of sheet piling the sides of the Boneyard Creek through the site and the provision of additional supporting piles for and the construction of slabs over the Boneyard to support a three-story connecting link between the Materials Research Laboratory and the present Physics Building. The contract will also include construction of a paved delivery and service area over another part of the Boneyard Creek.

Initiating Phase I at this time will meet the construction time schedule proposed in the prospectus submitted to the Advanced Research Projects Agency (ARPA) and the United States Atomic Energy Commission, which agencies will participate in amortizing the costs of the laboratory. Construction on Phase II is tentatively scheduled to start in October, 1963.

The Board has approved a proposal to the Illinois Building Authority to finance construction of the Materials Research Laboratory, but in the event that this first phase of the project can not be so financed, funds will be available from the state capital appropriations to the University for 1963-65 subject to release, or from indirect costs received from materials research contracts.

I concur and recommend that \$210,000 from undistributed indirect costs derived from Materials Research Laboratory contracts be reserved to finance the construction of Phase I, as needed. The difference between this figure and the Pathman contract is to cover other construction costs.

On motion of Mr. Swain, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### CONTRACTS FOR EXTENSION OF UTILITIES DISTRIBUTION SYSTEM. URBANA

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts, subject to availability of funds, for extensions of the utilities distribution system for additional services to the Materials Research Laboratory, the Electrical Engineering Building, the Education Building, and the Illinois Street Residence Halls, the award in each case being to the lowest bidder:

Steam Tunnel to Materials Research Laboratory

Underground Steam Tunnel Extension—Dean Evans Company, Champaign.....	\$149 900
Tunnel Piping Work for Extension of Steam Service—The J. A. Julian Company, Chicago.....	132 378
Base bid which included only a 12-inch low-pressure steam main and a 4-inch condensate main, the bare minimum for steam service.....	\$ 77 940
Additive alternate (A) for the addition of a 6-inch high-pressure steam main.....	9 988
Additive alternate (B) for the addition of an 8-inch utility pressure steam main.....	11 910
Additive alternate (C) for a 4-inch high-pressure underground steam conduit connecting tunnel steam to an existing high-pressure main at the Mining and Metallurgy Laboratory to enable high-pressure steam service from two directions.....	12 892
Additive alternate (D) for the addition of an 8-inch low-pressure underground steam conduit connecting tunnel steam to an existing low-pressure main at the Mining and Metallurgy Laboratory to enable low pressure steam service from two directions....	19 648
Thermal Insulation for Piping System for Steam Service—Sprinkmann Sons Corporation of Illinois, Peoria.....	17 254
Base bid .....	\$ 10 622
Additive alternates for thermal insulation for the piping to be installed under alternates included in the tunnel piping work:	
Alternate A .....	3 105

Alternate B .....	2 969
Alternate C .....	232
Alternate D .....	326
Electrical Work for Extension of Steam and Electric Service—Kuhne-Simmons Company, Inc., Champaign.....	28 479
<i>Total, Materials Research Laboratory.....</i>	<i>\$328 011</i>
<b>Extension of Steam Service to Electrical Engineering Building for Air Conditioning</b>	
Underground Steam Piping Work—Robert Gordon, Inc., Chicago..	\$ 48 798
Base bid .....	\$ 46 798
Additive alternate for compact layers of clay topped with eight inches of top soil to prevent drowning out of clays above the steam main.....	2 000
Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.	
<b>Additions to Underground Facilities for Education Building</b>	
Storm Sewer—George S. Walker Plumbing and Heating, Inc., Decatur.....	\$ 16 390
Base bid for an 18-inch storm sewer.....	\$ 8 290
Additive alternate for the construction of a 12-inch storm sewer to be diverted around present building construction .....	8 100
Water Mains—Cross Construction, Inc., Urbana.....	3 636
<i>Total, Education Building.....</i>	<i>\$ 20 026</i>
Funds are available in the construction budget and have been released.	
<b>Additions to Underground Facilities for the Illinois Street Residence Halls</b>	
Sanitary and Storm Sewers—Elton A. Wagner Company, Danville	\$ 53 200
Water—George S. Walker Plumbing and Heating, Inc., Decatur..	30 524
Base bid providing for the extension of an 8-inch main with fire hydrants on the south side of Green Street from the Student-Staff Apartments east to the west side of Gregory Place and a 12-inch main on the west side of Goodwin Avenue from Green Street south to Illinois Street and an 8-inch main from the intersection of Illinois Street and Goodwin Avenue east to Gregory Place.....	28 474
Additive alternate for the substitution of ductile iron pipe for the 12-inch main in place of cast iron pipe	1 150
Additive alternate for the provision of an additional extension of the 8-inch water main under the existing steam tunnel in Goodwin Avenue if it is determined during construction that there is not sufficient clearance to go over the steam tunnel....	900
Underground Steam Tunnel and Electrical Ductruns—Oran L. Shoemaker and Company, Champaign.....	108 308
Piping System for Steam Services—George S. Walker Plumbing and Heating, Inc., Decatur.....	77 770
Base bid .....	\$ 52 870
Additive alternate for the installation of an 8-inch utility pressure steam main which can be used as either a low-pressure or high-pressure steam main and which will operate normally as a low-pressure steam main to reduce the pressure drop in the low-pressure steam system.....	24 900
Thermal Insulation for Piping for Steam Services—Sprinkmann Sons Corporation of Illinois, Peoria.....	14 179
Base bid .....	\$ 7 242
Additive alternate for thermal insulation for additional 8-inch utility pressure steam main.....	6 937



Electrical Work for Steam and Electric Service — Kuhne-Simmons Company, Inc., Champaign.....	11 660
<i>Total, Illinois Street Residence Halls.....</i>	<i>\$295 641</i>

Funds for the additional utilities distribution system servicing the Illinois Street Residence Halls have been requested in the 1963-65 capital appropriation to the University. In the event funds are not made available and released, a subsequent recommendation will be submitted to the Board on the funding of these projects.

Attached are reports from the Physical Plant Department of these projects, including schedules of bids received, copies of which are being filed with the Secretary of the Board.

I concur in the above recommendations.

On motion of Mr. Williamson, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### CONTRACTS FOR REMODELING RESEARCH AND EDUCATIONAL HOSPITALS

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for the remodeling of the surgery areas on the fourth floor of the Research and Educational Hospitals, the award in each case being to the lowest bidder:

General — Mutual Contracting Company, Chicago.....	\$103 153
Base bid .....	\$100 919
Advised alternate for service charge for supervision of other contracts assigned to this contractor.....	2 234
Plumbing — Peter H. Smith Company, Chicago.....	10 666
Heating — National Korectaire Company, Chicago.....	56 738
Ventilating and Air Conditioning — Manor Sheet Metal, Inc., Skokie...	20 445
Electrical — Fries-Walters Company, Chicago.....	38 497
<i>Total.....</i>	<i>\$229 499</i>

The work will consist of the improvement of the surgical facilities on the fourth floor of the General Hospital and in the adjacent areas of the Hospitals Addition. With only six major operating rooms in the Hospitals Addition supplemented by a major and a minor operating room in the Illinois Neuropsychiatric Institute and two minor operating rooms in the General Hospital, there is a major requirement for an increase in surgical facilities. This project will provide three additional operating rooms with the necessary auxiliary facilities.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$229,499; and that an agreement be entered into with Mutual Contracting Company for the assignment of these other contracts for \$2,234, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of all bids received is submitted herewith and a copy is being filed with the Secretary of the Board.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### CONTRACTS FOR REPLACEMENT OF EXISTING DUCTWORK IN MEDICAL RESEARCH LABORATORY

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for replacement of existing ductwork in the

Virology Laboratories (Systems E2, E3, and E6) of the Medical Research Laboratory, the award in each case being to the lowest bidder:

General — Mutual Contracting Company, Chicago.....	3 699
Base bid .....	1 867
Additive alternate for replacement of existing ductwork in System E6 .....	1 832
Ventilating — Zack Company, Chicago.....	\$15 549
Base bid .....	\$5 631
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	596
Additive alternate for providing bypass connection between Systems E2, E3, and E6.....	745
Additive alternate for replacement of existing ductwork in System E6 .....	8 577
Heating, Refrigeration, and Temperature Controls — North Town Refrigeration Corporation, Chicago.....	4 600
Base bid .....	1 600
Additive alternate for providing bypass connection between Systems E2, E3, and E6.....	4 000
Electrical — Hyre Electric Company, Chicago.....	3 609
Base bid .....	1 843
Additive alternate for providing bypass connection between Systems E2, E3, and E6.....	231
Additive alternate for replacement of existing ductwork in System E6.....	1 535
Total.....	\$27 457

The work will consist of replacing the ductwork on three exhaust systems from three Virology Laboratory rooms to their respective air incinerators. The new ductwork will be of stainless steel and airtight construction. The improvement will prevent the escape of disease bacteria contagious to humans and permit chemical sterilization of the exhaust systems.

It is further recommended that all contracts other than the contract for ventilation work be assigned to the contractor for that work, making the total of his contract price \$27,457; and that an agreement be entered into with the Zack Company for the assignment of these other contracts for \$596, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the contractor for the ventilation work.

Funds for this work are available from a Board appropriation, Medical Research Laboratory, Replacement of Ducts.

A schedule of all bids received is submitted herewith and a copy is being filed with the Secretary of the Board.

I concur.

On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### CONTRACTS FOR CONSTRUCTION OF HEATING PLANT AT CONGRESS CIRCLE

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for construction of the Heating Plant at the Congress Circle campus, the award in each case being to the lowest bidder:

General (Division I) — Ragnar Benson, Inc., Chicago.....	\$956 353
Base bid .....	\$969 963
Additive alternate for assignment of plumbing work and ventilating and air-conditioning systems.....	2 500
Deductive alternate for changing basement walls and floor in base bid from construction designed to withstand water pressure to regular construction and added drainage to relieve water pressure.....	— 16 110

Plumbing (Division II) — O'Callaghan Bros., Inc., Chicago.....	23 980
Piping, Miscellaneous Equipment, Thermal Insulation (Division III) — S. J. Reynolds Company, Inc., Cicero.....	497 675
Ventilating and Air-Conditioning Systems (Division IV) — Zack Com- pany, Chicago .....	17 500
Electrical (Division V) — Fischbach, Moore, and Morrissey, Inc., Chi- cago.....	143 300
<b>Total.....</b>	<b>\$1 638 808</b>

It is also recommended that the plumbing contract and the ventilating and air-conditioning systems contract be assigned to the contractor for general work, making the total of his contract \$997,833; and it is further recommended that an agreement be entered into with Ragnar Benson, Inc., Chicago, for the assignment of these other contracts for \$2,500, which amount is included in the contract price, being the amount bid by the Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a supporting report from the Physical Plant Department, including schedules of all bids received, a copy of which is being filed with the Secretary of the Board.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### CONGRESS CIRCLE UNION BONDS

(18) Five bids were received at 11:00 a.m. June 18, 1963, in the Illini Center, LaSalle Hotel, Chicago, for the sale of \$6,800,000 of Congress Circle Union Bonds of 1963, Series A. Bids were received at the same time for certain maturities of \$4,000,000 Congress Circle Union Bonds of 1963, Series B, to finance construction of the Congress Circle Union Building and parking lots.

The Vice-President and Comptroller recommends that the Series A bonds be sold to White, Weld, and Company and associates, Chicago, at a price of \$6,759,326, plus accrued interest and at an effective interest rate of 3.50423 per cent; that \$2,780,000 of Series B bonds maturing in 1969 through 1988 be sold to Halsey, Stuart, and Company, Inc., and associates at a price of \$2,780,695, plus accrued interest and at an effective interest rate of 3.48892 per cent. These bids represent the lowest interest cost to the University.

A schedule of all bids received, a copy of which is being filed with the Secretary of the Board for record, is presented.

The Vice-President and Comptroller presents a Loan Agreement [Contract No. H(402)-868] with the Federal Housing and Home Finance Agency and recommends that he be authorized to execute it. In accordance with the provisions of the Loan Agreement, he recommends that \$1,220,000 Series B bonds maturing in 1989 through 1993 be sold to the Housing and Home Finance Agency at par and accrued interest and at an interest rate of 3½ per cent, since no equal or more favorable bid was received for these maturities.

The Vice-President and Comptroller also presents the Congress Circle Union Bond Resolution authorizing \$6,800,000 Congress Circle Union Bonds of 1963, Series A, and \$4,000,000 Congress Circle Union Bonds of 1963, Series B, and recommends its adoption.

He further recommends that the Board (1) authorize the execution of the bonds by A. J. Janata, Secretary of the Board, by facsimile signatures of the President of the Board, and by the facsimile signatures of Frances B. Watkins and Timothy W. Swain, members of the Board, and (2) ratify and confirm all actions taken or to be taken by the officers and members of the Board in connection with the sale and delivery of the bonds to the purchasers indicated above.

I concur in all the foregoing recommendations.

On motion of Mr. Williamson, these recommendations were approved and the Congress Circle Union Bond resolution was adopted

by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**Resolution Authorizing \$10,800,000 Congress Circle Union Bonds,  
Series A and B of 1963**

**\$6,800,000 Congress Circle Union Bonds of 1963, Series A**

**\$4,000,000 Congress Circle Union Bonds of 1963, Series B**

A RESOLUTION AUTHORIZING AND PROVIDING FOR THE ISSUANCE OF REVENUE BONDS FOR THE PURPOSE OF PAYING THE COST OF ACQUIRING, CONSTRUCTING, AND EQUIPPING THE CONGRESS CIRCLE UNION BUILDING AND PARKING FACILITIES IN THE CITY OF CHICAGO, ILLINOIS, BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, SETTING FORTH THE TERMS UNDER WHICH SUCH REVENUE BONDS ARE TO BE ISSUED, PROVIDING FOR THE RIGHTS OF THE HOLDERS THEREOF, AND PROVIDING FOR THE ACQUISITION, CONSTRUCTION, AND EQUIPMENT OF SUCH FACILITIES, AND THE MANAGEMENT, MAINTENANCE, IMPROVEMENT, AND OPERATION THEREOF.

WHEREAS, The Board of Trustees of the University of Illinois on due consideration and investigation does now find and determine that it is advisable and necessary and required for the good and benefit of the University of Illinois and the best interests of its students and faculty to construct and equip a Union Building, and to construct parking facilities on the Congress Circle campus of the University. (Said Union Building and parking facilities are hereinafter sometimes called the "building," "facilities" or "Project"); and

WHEREAS, in order to produce the funds necessary to construct and equip said Project it is advantageous to the University and necessary that the University borrow money and issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto;

*Now, Therefore, Be It Resolved* by The Board of Trustees of the University of Illinois:

**ARTICLE ONE**

**DEFINITIONS**

Unless the context otherwise requires, the terms defined in this Article One shall for all purposes of this Resolution and of any resolution supplemental hereto, have the meanings herein specified, the following definitions to be equally applicable both to the singular and plural forms of any of the terms herein defined:

The term "*Authorized Officer*" shall mean the President, Secretary, Treasurer or Comptroller of the Board of Trustees, or any other person authorized by resolution of the Board of Trustees, to perform the act or sign the document in question.

The term "*Board of Trustees*" and the term "*University*" shall mean The Board of Trustees of the University of Illinois, a body corporate, created and established under the laws of the State of Illinois.

The term "*Bonds*" shall mean and include any and all bonds of all series, issued under this Resolution.

The term "*Comptroller*" shall mean the Comptroller of the University or such other person as may at the time be the acting chief fiscal officer of the University.

The terms "*facilities*," "*Project*," and "*building*" shall mean all facilities financed pursuant to this Resolution, the cost of which is paid in whole or in part through the issuance of Bonds.

The term "*fiscal year*" shall mean the twelve month accounting period established by the University for its academic operations, which currently is the period from July 1 through the following June 30.

The term "*Net Income Available for Debt Service*" shall mean at any date as of which the amount thereof is to be determined the sum of

(a) the net income for the preceding fiscal year of all revenue producing facilities pledged for the payment of Bonds; plus

(b) the estimated annual net income of all revenue producing facilities for the account of which Bonds have been issued and delivered but which

are under construction or for which a full fiscal year's operating experience is not available; plus

(c) the estimated annual net income of revenue producing facilities not then completed, the cost of which is to be financed through the proceeds of the sale of additional Bonds at the time proposed to be issued; plus

(d) the net income during the preceding fiscal year from investments of funds in the Congress Circle Union Bond and Interest Sinking Fund Account.

For the purpose of this definition net income shall be determined by deducting from the gross revenues or estimated gross revenues for the period in question (which revenues shall include student service charges for the use of the facilities pledged for the payment of all Bonds then outstanding and then to be issued at an amount adjusted as hereinafter provided) all operating expenses or estimated operating expenses for such period and the amounts required to be credited to the Improvement and Replacement Reserve. Also, for all purposes of this definition, student service charges shall be included in net income at an amount which is based on the reasonable estimate of anticipated student enrollment for the year for which the computation is made, that is to say that in computing Net Income Available for Debt Service for any future year, the amount of student service charges included in gross revenues shall (regardless of actual receipts for any current or preceding fiscal year) be appropriately adjusted for each such year to reflect the reasonable estimate of anticipated student enrollment for each such year but shall assume that such student service charges will remain unchanged from the then current rate per student. Other revenues and operating expenses of facilities to be constructed shall be estimated in writing by an independent consulting engineer. All computations of Net Income Available for Debt Service shall be made by the Comptroller of the University who shall certify thereto, and whose certificate shall be accompanied by a certificate signed by a nationally recognized firm of independent public accountants (which accountant's certificate may state that it is made in reliance on information supplied by the University and that they have made no independent examination of the books and records of the University in connection therewith) stating that they know of no reason why such computation is incorrect.

The term "*operating expenses*" shall mean and include all reasonable expenses of operation and maintenance of the facilities, including without limiting the generality of the foregoing, salaries, wages, cost of materials, supplies, insurance, light, heat, power, reasonable repairs necessary to properly maintain such facilities (including reasonable reserves therefor), taxes (if any), fees and expenses of the depository and paying agents and any expenses required to be paid pursuant to this Resolution but excluding depreciation, provisions for the Improvement and Replacement Reserve hereinafter provided, and all general administrative expenses of the University.

The term "*student service charge*" shall mean any student fee or portion thereof assessed against students enrolled at the Congress Circle campus of the University for the general use of the facilities (whether assessed as a separate charge or as a specific allocation of a multi-purpose fee or charge), but shall not include general student tuitions or student fees assessed for any other purpose.

The term "*owner*" or "*holder*" whenever employed herein with respect to a Bond which shall be registered as to principal or fully registered without coupons shall mean the person, firm or agency in whose name such Bond shall be registered and, whenever employed herein with respect to a coupon Bond which shall not be registered as to principal or a coupon, shall mean the bearer of such Bond or coupon.

The term "*Paying Agent*" shall mean the Continental Illinois National Bank and Trust Company of Chicago or its successors in the City of Chicago, Illinois, and shall also mean the Morgan Guaranty Trust Company of New York or its successors in the Borough of Manhattan and City and State of New York and shall also mean the Bank of America N.T.&S.A. in the City of San Francisco and State of California.

The term "*depository*" and the term "*Registration Agent*" shall mean the Continental Illinois National Bank and Trust Company of Chicago or its successor in the City of Chicago, Illinois.

The term "*Resolution*" shall mean this Resolution as originally adopted or as it may from time to time be supplemented, modified or amended by any resolution supplemental hereto, pursuant to the provisions hereof.

## ARTICLE TWO

AUTHORIZATION, DESIGNATION, FORM, EXECUTION,  
EXCHANGE AND REGISTRATION OF BONDS

**SECTION 2.01. *Limitation of Issue and Equality of Bonds.*** This resolution shall constitute a continuing agreement to secure the full and final payment in the manner herein provided for the principal and interest on all Bonds which may from time to time be delivered and issued hereunder. The aggregate principal amount of Bonds which may be so delivered and issued hereunder is not limited except as restricted by law or by the provisions hereof. All Bonds at any time issued and outstanding hereunder, regardless of series, shall be equally and ratably secured hereby without preference, priority or distinction.

**SECTION 2.02. *Project and Purpose of Initial Issue of Bonds.*** The initial project (hereinafter called the "Project") to be acquired, constructed, equipped and completed hereunder is described in a general way as:

1. The Congress Circle Union, consisting of a four-story building and a ten-story building with a connecting link at the three lower floors and located west of Halsted Street near Polk Street in the City of Chicago, Illinois; and
2. Parking lots for approximately 2,400 cars.

The estimated cost of said Project is \$13,460,000, including land, and the estimated cost of each portion of said Project is more fully set forth in the plans and specifications therefor on file with the University Architect.

It is hereby determined that in order to produce the funds necessary to construct and equip the Project, that the University borrow the sum of Ten Million Eight Hundred Thousand Dollars (\$10,800,000) and in evidence thereof to issue its Congress Circle Union Bonds hereunder in said principal amount. It is hereby determined that the cost of the project in excess of the amount to be borrowed can be provided from appropriations made by the General Assembly of the State of Illinois for the construction of buildings on the Congress Circle Campus of the University.

**SECTION 2.03. *Terms of Series A and B of 1963 Bonds.*** The Bonds to be initially issued hereunder shall be substantially in the form and of the tenor and purport hereinafter set forth and limited to the aggregate principal amount of Ten Million Eight Hundred Thousand Dollars (\$10,800,000) at any one time outstanding, Six Million Eight Hundred Thousand Dollars (\$6,800,000) of which shall be designated "The Board of Trustees of the University of Illinois Congress Circle Union Bonds of 1963, Series A" (hereinafter called "1963 Series A Bonds") and the remaining Four Million Dollars (\$4,000,000) principal amount thereof shall be designated "The Board of Trustees of the University of Illinois Congress Circle Union Bonds of 1963, Series B" (hereinafter called "1963 Series B Bonds").

The Series A Bonds and the Series B Bonds shall be issued as negotiable coupon bonds dated April 1, 1963, registrable as to principal in the denomination of \$5,000 or as fully registered Bonds without coupons, dated as of the interest payment date to which interest was last paid, next preceding the date of issue, unless issued on an interest payment date on which interest was paid, in which case they shall be dated as of the date of issue, or unless issued prior to October 1, 1963, in which case they shall be dated April 1, 1963. Each fully registered Bond without coupons shall be of a single maturity. Fully registered Bonds without coupons shall be numbered in such manner as may be designated by the Comptroller and shall be issued in denominations of \$5,000 or multiples thereof. Bonds shall bear interest from April 1, 1963, payable semi-annually on the first days of April and October in each year until paid, commencing October 1, 1963, at the rates provided below and shall mature in the following amounts on October 1, of the following years:

Maturity Dates	Series A Bonds		Series B Bonds	
	Principal Amount	Interest Rate	Principal Amount	Interest Rate
1969.....	\$ 80,000	5%	\$ 40,000	5%
1970.....	90,000	5%	50,000	5%
1971.....	100,000	5%	50,000	5%
1972.....	110,000	5%	60,000	5%
1973.....	160,000	5%	80,000	3¾%

<i>Maturity Dates</i>	<i>Series A Bonds</i>		<i>Series B Bonds</i>	
	<i>Principal Amount</i>	<i>Interest Rate</i>	<i>Principal Amount</i>	<i>Interest Rate</i>
1974.....	\$ 220,000	5%	\$ 110,000	3½%
1975.....	230,000	5%	120,000	3½%
1976.....	240,000	4½%	130,000	3½%
1977.....	250,000	4½%	140,000	3.40%
1978.....	250,000	4½%	150,000	3.40%
1979.....	260,000	3½%	160,000	3.40%
1980.....	270,000	3½%	160,000	3.40%
1981.....	280,000	3½%	170,000	3.40%
1982.....	290,000	3½%	170,000	3.40%
1983.....	300,000	3½%	180,000	3.40%
1984.....	310,000	3½%	190,000	3.40%
1985.....	330,000	3½%	190,000	3½%
1986.....	340,000	3½%	200,000	3½%
1987.....	350,000	3½%	210,000	3½%
1988.....	360,000	3½%	220,000	3½%
1989.....	370,000	3½%	230,000	3½%
1990.....	380,000	3½%	240,000	3½%
1991.....	400,000	3½%	240,000	3½%
1992.....	410,000	3½%	250,000	3½%
1993.....	420,000	1.20%	260,000	3½%
	<u>\$6,800,000</u>		<u>\$4,000,000</u>	

The 1963 Series A and B Bonds shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on any interest payment date on and after, but not prior to April 1, 1971, solely from surplus monies in the Congress Circle Bond Fund, after the debt service reserve provided in Section 5.02 has been fully established and all provisions of Section 5.02 have been met and all deficiencies made up, in the inverse order in which they mature, at the principal amount thereof, together with interest accrued to the date of redemption plus a premium equal to the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1971 through October 1, 1972.....	3%
April 1, 1973 through October 1, 1977.....	2%
April 1, 1978 through October 1, 1982.....	1%
April 1, 1983 and thereafter without premium.	

The 1963 Series A and B Bonds shall also be redeemable (under circumstances not included in the foregoing paragraph), either in whole or in part, prior to their maturity at the option of the Board of Trustees on any interest payment date on and after, but not prior to April 1, 1973, in inverse order in which they mature, at the principal amount thereof, together with the interest accrued thereon to the date fixed for redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1973 through October 1, 1977.....	3%
April 1, 1978 through October 1, 1982.....	2%
April 1, 1983 through October 1, 1987.....	1%
April 1, 1988 and thereafter without premium.	

**SECTION 2.04. *Payment of Principal and Interest.*** Both the principal of and the interest on the 1963 Series A and B Bonds shall be payable in any coin or currency which on the respective date of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the Morgan Guaranty Trust Company of New York in the Borough of Manhattan and City and State of New York or at the Bank of America N.T.&S.A. in the City of San Francisco, California.

**SECTION 2.05. *Form of Bonds.*** The definitive coupon 1963 Series A and B Bonds, the interest coupons to be attached thereto, the form of fully registered

1963 Series A and B Bonds without coupons, the form of registration endorsement to appear on all coupon Bonds, the form of principal payment record and the form of assignment to appear on all fully registered Bonds shall be in substantially the following forms with appropriate insertions, omissions and variations to evidence differences in number, amount, interest rate, maturity and like matters:

(Form of Coupon Bond)  
UNITED STATES OF AMERICA  
STATE OF ILLINOIS  
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS  
CONGRESS CIRCLE UNION BOND  
Series ..... of 1963

Number..... \$5,000

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay to bearer, but only out of the Congress Circle Union Bond Fund, as hereinafter provided for, and not otherwise, the principal sum of FIVE THOUSAND DOLLARS (\$5,000), on October 1, 19....., and to pay interest on said sum from the date hereof until paid at the rate of ..... per cent (.....%) per annum, payable October 1, 1963, and semiannually thereafter on the first days of April and October in each year until the principal amount hereof has been fully paid. Interest accruing on this bond on and prior to the maturity date hereof shall be payable on presentation and surrender of the interest coupons hereto attached as they subsequently become due, but no interest shall accrue on this bond after the maturity hereof whether by lapse of time, call for redemption, or otherwise unless this bond shall be presented for payment and be not then paid.

Both principal hereof and interest hereon are hereby made payable in any coin or currency which, on the respective dates of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the Morgan Guaranty Trust Company of New York in the Borough of Manhattan and City and State of New York or at the Bank of America N.T.&S.A. in the City of San Francisco, California.

This bond is one of an initial authorized series of ..... Dollars (\$.....) principal amount of Congress Circle Union Bonds of 1963, Series ....., which with the 1963 Series ..... Bonds constitute an issue of Ten Million Eight Hundred Thousand Dollars (\$10,800,000) issued and to be issued pursuant to a Bond Resolution (herein called "Resolution") of The Board of Trustees of the University of Illinois duly adopted June 19, 1963, for the purpose of providing funds for paying the cost of constructing and equipping a Union Building and parking facilities at the University of Illinois at Congress Circle (herein called the "Project") as set forth in the Resolution. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this series are redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part on any interest payment date on or after, but not prior to April 1, 1971, solely from surplus moneys in the Congress Circle Bond Fund, after the debt service reserve provided in Section 5.02 of the Resolution has been fully established and all provisions of Section 5.02 of the Resolution have been met and all deficiencies made up, in the inverse order in which they mature, at the principal amount thereof, together with interest accrued to the date of redemption plus a premium equal to the following percentages of such principal amount if resumed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1971 through October 1, 1972.....	3%
April 1, 1973 through October 1, 1977.....	2%
April 1, 1978 through October 1, 1982.....	1%
April 1, 1983 and thereafter without premium.	

The bonds of this series are also redeemable (under circumstances not included in the foregoing paragraph), either in whole or in part, prior to their



maturity at the option of the Board of Trustees on any interest payment date on and after, but not prior to April 1, 1973, in the inverse order in which they mature, at the principal amount thereof, together with the interest accrued thereon to the date fixed for redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1973 through October 1, 1977.....	3%
April 1, 1978 through October 1, 1982.....	2%
April 1, 1983 through October 1, 1987.....	1%
April 1, 1988 and thereafter without premium.	

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Congress Circle Union Bond Fund as provided in the Resolution; which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue and additional bonds which may hereafter be issued pursuant to the Resolution, (2) the operation of any other revenue producing facilities which may subsequently be pledged pursuant to any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution and (3) student service charges (as defined in the Resolution) for the use of the facilities. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees, or the State of Illinois is pledged to the payment of this bond or the interest thereon.

This bond shall pass by delivery unless it is registered as to principal in the name of the holder on the books of registration of said University kept at the office of the Registration Agent in the City of Chicago, Illinois, such registration to be noted on the back hereof. After such registration no transfer hereof shall be valid unless made on such books by the registered holder in person or by attorney duly authorized in writing and similarly noted hereon, but this bond may be transferred in like manner to bearer, and thereupon transferability by delivery shall be restored and it may again from time to time be registered or transferred to bearer as before. Such registration, however, shall not restrict the negotiability of the coupons hereto appertaining, but such coupons shall be transferable by delivery merely and payable to the bearer thereof.

Subject to the provisions for registration and transfer, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and during such time as this bond is payable to bearer, the same and each of the coupons hereto appertaining may be negotiated by delivery by any person having possession thereof, and any holder who shall have taken this bond while so payable to bearer or any of said coupons from any person for value and without notice shall thereby acquire absolute title to this bond or to such coupons, as the case may be, free of any defenses enforceable against any prior holder and free from all equities and claims of ownership of any such prior holder, and The Board of Trustees of the University of Illinois, any paying agent, the Registration Agent and any other person may deem and treat the bearer of this bond, or, if registered, the person in whose name it is registered, and the bearer of any

interest coupons appertaining hereto as the absolute owner hereof for all purposes and shall not be affected by any notice to the contrary whether this bond or any coupon appertaining thereto be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of \$5,000 and as registered bonds without coupons in the denomination of \$5,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the office of the Registration Agent in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (66⅔%) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums at the time and place and at the rate and in the currency provided therein of any bond without the expressed consent of the holder or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons or (iv) reduce the percentage in principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time rules, rents, student service charges and other charges for the use of said facilities and to maintain and collect rents and student service charges and other charges sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signatures of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and has caused the interest coupons hereto attached to be executed by the facsimile signatures of said President and Secretary, and this bond to be dated as of the 1st day of April, 1963.

THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS

Attest: \_\_\_\_\_

*Secretary*

By \_\_\_\_\_

*President*

\_\_\_\_\_  
*Member*

\_\_\_\_\_  
*Member*

## (Form of Interest Coupon)

Number..... \$.....

On the first day of ....., 19..... (unless the bond to which this coupon is attached has theretofore been called for payment and payment made or provided for), The Board of Trustees of the University of Illinois will pay to bearer on surrender hereof, solely out of the fund specified in the bond to which this coupon is attached, the sum of .....

Dollars (\$.....) in any coin or currency which, on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the option of the holder at the Morgan Guaranty Trust Company of New York in the Borough of Manhattan and City and State of New York, or at the Bank of America N.T.&S.A. in the City of San Francisco, California, as provided in the Congress Circle Union Bond of 1963, Series ....., dated April 1, 1963, Number .....

Secretary

President

## (Form for Registration of Coupon Bond)

Date of  
RegistrationName of  
Registered OwnerSignature of  
Registrar

## (Form of Registered Bond Without Coupons)

UNITED STATES OF AMERICA

STATE OF ILLINOIS

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

CONGRESS CIRCLE UNION BOND

Series ..... of 1963

No..... \$.....

The Board of Trustees of the University of Illinois, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay (but only out of the Congress Circle Union Bond Fund as hereinafter provided for, and not otherwise) to .....

or registered assigns, on October 1, 19....., the principal sum of ..... Dollars (\$.....) and to pay interest thereon (which shall be paid by check or draft mailed to the registered owner at his address as it appears on the bond registration books of the University), at the rate of ..... per cent (.....%) per annum, payable October 1, 1963, and semiannually thereafter on the first days of April and October in each year from the date hereof until the principal amount hereof has been fully paid.

Both principal hereof and interest hereon are made payable in any coin or currency which on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the Morgan Guaranty Trust Company of New York in the Borough of Manhattan and City and State of New York or at the Bank of America N.T.&S.A. in the City of San Francisco, California.

This bond is one of an initial authorized series of ..... principal amount of Congress Circle Union Bonds of 1963, Series ....., which with the 1963 Series ..... Bonds constitute an issue of Ten Million Eight Hundred Thousand Dollars (\$10,800,000), issued and to be issued pursuant to a Bond Resolution (herein called "Resolution") of The Board of Trustees of the University of Illinois duly adopted June 19, 1963, for the purpose of providing funds for paying the cost of constructing and equipping a Union Building and parking facilities at the University of Illinois at Congress Circle (herein called the "Project") as set forth in the Resolution. Said Resolution, among other things, provides for the issuance of additional bonds

pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this series are redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part on any interest payment date on and after, but not prior to April 1, 1971, solely from surplus moneys in the Congress Circle Bond Fund, after the debt service reserve provided in Section 5.02 of the Resolution has been fully established and all provisions of Section 5.02 of the Resolution have been met and all deficiencies made up, in the inverse order in which they mature, at the principal amount thereof, together with interest accrued to the date of redemption plus a premium equal to the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1971 through October 1, 1972.....	3%
April 1, 1973 through October 1, 1977.....	2%
April 1, 1978 through October 1, 1982.....	1%
April 1, 1983 and thereafter without premium.	

The bonds of this series are also redeemable (under circumstances not included in the foregoing paragraph), either in whole or in part, prior to their maturity at the option of the Board of Trustees on any interest payment date on and after, but not prior to April 1, 1973, in the inverse order in which they mature, at the principal amount thereof, together with the interest accrued thereon to the date fixed for redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1973 through October 1, 1977.....	3%
April 1, 1978 through October 1, 1982.....	2%
April 1, 1983 through October 1, 1987.....	1%
April 1, 1988 and thereafter without premium.	

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Congress Circle Union Bond Fund as provided in the Resolution; which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed and equipped with the proceeds of this bond issue and additional bonds which may hereafter be issued pursuant to the Resolution, (2) the operation of any other revenue producing facilities which may subsequently be pledged pursuant to any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution and (3) student service charges (as defined in the Resolution) for the use of the facilities. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, or said Board of Trustees, or the State of Illinois is pledged to the payment of this bond or the interest thereon.

Subject to the provisions for registration and transfer contained herein and in the Resolution, this bond and all other bonds of this issue shall have all of the

qualities of negotiable instruments, and shall be transferable by the registered owner at the office of the Registration Agent in the City of Chicago, Illinois, upon surrender and cancellation of this bond and thereupon coupon bonds or a new registered bond without coupons of the same principal amount, interest rate and maturity will be issued to the transferee as provided in the Resolution. The Board of Trustees of the University of Illinois, any paying agent, the Registration Agent and any other person may treat the person in whose name this bond is registered as the absolute owner hereof for the purpose of receiving payment and for all other purposes and shall not be affected by any notice to the contrary whether this bond be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of \$5,000 and as registered bonds without coupons in the denomination of \$5,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the office of the Registration Agent in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (66 $\frac{2}{3}$ %) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons or (iv) reduce the percentage of principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time rules, rents, student service charges and other charges for the use of said facilities and to maintain and collect rents and student service charges and other charges sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signature of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and this bond to be dated as of the 1st day of

**THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS**

Attest: _____	By _____
<i>Secretary</i>	<i>President</i>
_____	_____
<i>Member</i>	<i>Member</i>

(Form of Assignment of Registered Bonds Without Coupons)

For Value Received \_\_\_\_\_  
hereby sell, assign and transfer unto \_\_\_\_\_

the within mentioned bond together with accrued interest thereon, and all right, title and interest thereto and hereby irrevocably constitute and appoint \_\_\_\_\_, attorney to transfer the same on the books of Registration of the University, with full power of substitution in the premises.

Dated: \_\_\_\_\_

Witness: \_\_\_\_\_

**NOTE:** The signature to this Assignment must correspond with the name as written on the face of the within bond in every particular, without alteration or enlargement or any change whatsoever except when the registered owner is a governmental agency, in which case it may be executed in the name of any successor.

**SECTION 2.06. Bonds of Additional Series.** Subject to the conditions and limitations set forth in Article Four hereof and provided that the University shall not at the time be in default under any of the terms, covenants or provisions of this Resolution, additional Bonds of equal rank with the 1963 Series A and B Bonds may be issued from time to time under this Resolution having such maturities, providing for the payment of such rates of interest and having such other characteristics as shall be determined by the Board of Trustees and set forth in a resolution to be supplemental hereto; provided, however, that each issue of additional Bonds, when so issued, shall be differentiated from all previous issues by appropriate designation inscribed thereon.

**SECTION 2.07. Execution of Bonds.** All of the Bonds shall be executed by the facsimile signatures of the President and any two members of the Board of Trustees and shall have the seal of the University affixed thereto (or a facsimile thereof to be reproduced thereon) and shall be attested by the Secretary of the Board of Trustees, the coupons to be attached to the Bonds shall bear the facsimile signatures of the President and Secretary of the Board of Trustees.

In case any person who shall have signed, sealed or attested any Bond issuable under this Resolution as an officer or member of the Board of Trustees, shall have ceased to be such officer or member before the Bond so signed, sealed or attested shall have been actually delivered, such Bond nevertheless may be delivered and issued as though the person who signed, sealed or attested such Bond had not ceased to be such officer or member of the Board of Trustees.

Any Bond issuable hereunder may be signed, sealed or attested on behalf of the Board of Trustees by any person who at the actual date of execution of such Bond is the proper person, although at the date of such Bond such person shall not have been an officer or member of the Board of Trustees.

**SECTION 2.08. Registration and Transfer of Bonds.** The University shall keep at the office of the Registration Agent in Chicago, Illinois, books for the registration and transfer of Bonds issued hereunder, which, at all reasonable times, shall be open for inspection by the holder of any Bond issued hereunder, and upon presentation for the purpose at such office, the University will register or transfer or cause to be registered or transferred herein, as hereinafter provided, and under such reasonable regulations as it may prescribe, any Bonds issued under this Resolution and entitled to be so registered or transferred.

The holder of any coupon Bond issued hereunder may have the ownership of the principal thereof registered on said books of the University at the office of the Registration Agent in Chicago, Illinois, and such registration shall be noted on the Bond. After such registration no transfer shall be valid unless made on

the said books by the registered owner in person, or by his duly authorized attorney, and similarly noted on the Bond; but the same may be discharged from registration by being in like manner transferred to bearer, and thereupon transferability by delivery shall be restored; and such Bond may again, from time to time, be registered or transferred to bearer as before. Such registration, however, shall not affect the transferability of the coupons, but every such coupon shall continue to be transferable by delivery merely, and shall remain payable to bearer. The University shall make no charge for such registrations and discharges from registration.

Any registered Bond without coupons may be transferred at the office of the Registration Agent in the City of Chicago, Illinois, by surrender of such Bond for cancellation, accompanied by delivery of a written instrument of transfer in form approved by the Comptroller, duly executed by the registered owner of such Bond or his duly authorized attorney, and thereupon the University shall issue in the name of the transferee or transferees a new registered Bond or Bonds of like form and maturity and for a like aggregate principal sum.

A registered Bond without coupons, upon request of the registered owner, may be exchanged at said office of the Registration Agent for several such Bonds, of like form and maturity but of lesser authorized denominations, in the same name and for a like aggregate principal sum, and several registered Bonds without coupons, in the same name, may, upon request of the registered owner, be exchanged at such office or agency for one registered Bond without coupons or several such Bonds, of like form and maturity, but of greater authorized denominations and for the same aggregate principal sum.

Whenever any coupon Bonds in aggregate principal amount equal to one or more registered Bonds without coupons of authorized denominations, with all unmatured coupons thereto attached, shall be surrendered at such office for exchange for a registered Bond or Bonds without coupons, the University shall issue, and, in exchange for such coupon Bonds, shall deliver registered Bonds, or one registered Bond, of authorized denominations without coupons, of the same maturity and for a like aggregate principal sum.

Whenever any registered Bond without coupons shall be surrendered for cancellation, accompanied by delivery of a written instrument or transfer in a form approved by the Comptroller, duly executed by the registered owner of such Bond or his duly authorized attorney, at the office of the Registration Agent in the City of Chicago, Illinois, for exchange for coupon Bonds, the University shall issue, and, in exchange for such registered Bond, shall deliver coupon Bonds for a like aggregate principal sum and like maturity, with coupons thereto attached representing interest from the interest payment date on which interest was last paid on such registered Bond without coupons.

As to all registered Bonds without coupons and all coupon Bonds registered as to principal, the person in whose name the same shall be registered shall be deemed and regarded as the owner thereof, for all purposes, and thereafter payment of or on account of the principal of such Bond, if it be a registered coupon Bond, and of the principal and interest, if it be a registered Bond without coupons, shall be made only to such registered owner thereof but such registration may be changed as above provided. All such payments shall be valid and effectual to satisfy and discharge the liability upon such Bonds to the extent of the sum or sums so paid. The University may deem and treat the bearer of any coupon Bond which shall not at the time be registered as to principal, and the bearer of any coupons for interest on such Bond, whether such Bond shall be registered or not, as the absolute owner of such Bond or coupon for the purpose of receiving payment thereof, and for all other purposes whatsoever, and the University shall not be affected by any notice to the contrary whether the Bond or coupon be overdue or not.

In every case of exchange or transfer of Bonds under this Section, the surrendered Bond or Bonds shall be presented to the University for cancellation.

Upon every such exchange of coupon Bonds for registered Bonds, without coupons, or of registered Bonds without coupons for coupon Bonds or for other registered Bonds without coupons, and upon any transfer of registered Bonds without coupons, the University, except as otherwise provided in any agreement between the University and any original purchaser of Bonds, may require the payment of such charge therefor as it may deem proper, not exceeding Two Dollars (\$2.00) plus actual expenses, including printing costs of new bonds, in-

current in connection therewith for each Bond issued upon such exchange, payment of which, together with any taxes or other governmental charges required to be paid with respect to such exchange or transfer, shall be made by the party requesting such exchange or transfer as a condition precedent thereto.

The University shall not be required to make exchanges or transfers of bonds as provided in this Section 2.08 during a period of ten (10) days next preceding any interest payment date, or for the period of ten (10) days next preceding the first publication of notice of redemption of any Bond or at any time of any Bonds which have theretofore been duly called for redemption.

**SECTION 2.09. *Lost, Stolen, Destroyed or Mutilated Bonds.*** Upon the receipt by the University of evidence satisfactory to it of the loss, theft, destruction or mutilation of any outstanding Bond hereby secured, and of indemnity satisfactory to it, and upon surrender and cancellation of such Bond if mutilated, the University may execute and deliver, upon the lapse of such period of time as they may deem advisable, a new Bond of like tenor and maturity bearing the same or a different serial number, to be issued in lieu of such lost, stolen, destroyed or mutilated Bond. Such new Bond may bear such endorsement as may be prescribed by the University and which at the time is necessary to conform to the requirements of any securities exchange or of any governmental body having jurisdiction. The University may require the payment of a sum not exceeding Two Dollars (\$2.00) for each new Bond issued under this Section 2.09, plus expenses, including printing costs of new bonds, which may be incurred by the University in the premises.

**SECTION 2.10. *Registration Agent.*** The depository in the City of Chicago, Illinois, is hereby appointed as the Registration Agent for the purpose of registering, transferring and exchanging the Bonds as in this Resolution provided and the University agrees to take all legal action necessary or proper to constitute said depository as the Registration Agent hereunder.

### ARTICLE THREE

#### REDEMPTION OF BONDS

**SECTION 3.01. *Publication of Notice.*** Whenever the University shall determine to exercise its right to redeem any Bonds issued hereunder and by their terms subject to redemption, notice of such redemption shall be published by the University in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, in the City and State of New York, not less than 30 days prior to such redemption date. Such notice shall (a) designate the time and place of such redemption; (b) if the Bonds to be redeemed are less than all of the Bonds of any series or maturity, designate the numbers, the maturity date or dates and the aggregate principal amount of such Bonds; and (c) state that on the designated date of redemption such Bonds will be redeemed by payment of the principal amount thereof (or for the portion thereof to be redeemed) and all unpaid interest accrued thereon to the date of redemption plus the applicable premium, if any, and that from and after such designated redemption date interest in respect of the Bonds (or portions thereof) so called for redemption shall cease. A copy of said notice shall be mailed by the University, postage prepaid, at least 30 days prior to the redemption date to all registered owners of Bonds so to be redeemed at their last addresses appearing on the registration books of the University, but such mailing shall not be a condition precedent to the validity of the redemption of any Bond.

In case any fully registered Bonds are to be redeemed in part only, said notice shall specify the respective portions of the principal amounts thereof to be redeemed (which shall be \$5,000 or any multiple thereof) and shall state that payment of the redemption price shall, except as hereinafter specifically provided, be made only upon presentation of such fully registered Bonds for surrender in exchange for a coupon Bond or Bonds or a fully registered Bond or Bonds of the same series and maturity, of authorized denominations in aggregate principal amount equal to the unredeemed portion of the principal amount thereof; and in such case, if coupon Bonds or fully registered Bonds are so to be delivered in exchange, the University shall execute and deliver to or upon the written order of the registered owner of any fully registered Bonds, a portion only of which is to



be redeemed, and at the expense of the University, a new Bond or Bonds of the same series and maturity for the principal amount of the surrendered fully registered Bond less the principal amount thereof paid on surrender.

In the event of the payment of a portion of the principal amount of any fully registered Bond registered in the name of any initial purchaser in whose name Bonds of that series were first registered and named in a written order of an Authorized Officer filed with the depository and stating that the provisions of this paragraph shall be applicable thereto, or registered in the name of any subsequent holder for the benefit of whom University shall elect that the provisions of this paragraph shall be applicable thereto (which election shall be subject to the condition that such subsequent holder shall first agree not to make any sale or transfer of any Bond or Bonds registered in its name without presentation of such Bond or Bonds for transfer and exchange), then in such event the University shall make payment to such Bond holder without requiring presentation of such Bond and, in lieu of delivering a new Bond or Bonds of an aggregate principal amount equal to the unredeemed portion of the principal amount of such Bond, the University shall, in its letter transmitting payment to such Bond holder, instruct such holder to endorse such payment on such Bond and a written representation from such holder to the University that such payment has been so endorsed shall be conclusive evidence of such endorsement and payment.

**SECTION 3.02. *Pro Rata Redemption Among Series.*** In any case of the redemption at the option of the University of less than all of the outstanding Bonds then subject to redemption, no Bonds of any series may be redeemed unless Bonds of each other series then subject to redemption are redeemed at the same time in proportion to the amount of each such Series originally issued; provided, however, that in any case of the redemption of all of the outstanding Bonds of any one or more series, as a result of or in anticipation of the refunding or refinancing of one or more such series by the application of funds derived from other borrowings or the issuance of additional Bonds hereunder, no Bonds of any other series need be redeemed unless so required in the resolution supplemental hereto, creating or authorizing any additional series of Bonds. Nothing in this section shall be deemed to restrict the redemption by the University of a portion of the Bonds of any Series out of surplus funds remaining in a Construction Fund Account held for the account of Bonds of such series in any case where the University is required or permitted to redeem such Bonds out of such surplus funds.

**SECTION 3.03. *Selection of Bonds for Redemption.*** In case the University shall have elected to redeem less than all of the outstanding Bonds of a single series and maturity, the Bonds to be redeemed shall be selected by lot except as herein otherwise expressly provided. In each such instance the University shall, at least five days before the date upon which the first publication of the notice of redemption hereinbefore mentioned is required to be made (or the mailing of such notice in case no publication is required as hereinafter specified), draw by lot, from the outstanding Bonds of such series and maturity, in any manner deemed by it proper, the identifying numbers of the Bonds to be redeemed. In any such selection by lot each Bond of a denomination in excess of \$5,000 shall be given a separate number for each \$5,000 of the principal amount thereof.

**SECTION 3.04. *Deposit of Funds for Redemption.*** Said notice having been given, as above provided, the Bonds designated for redemption shall, on the date specified in such notice, become due and payable, at the then applicable redemption price, and on or before the day preceding the date fixed for redemption the University shall deposit with the Continental Illinois National Bank and Trust Company of Chicago, or its successor in the City of Chicago, Illinois, as depository, the redemption price of the Bonds called for redemption and accrued interest thereon to the date fixed for redemption. Upon such deposit having been made and on presentation, if required, of such Bonds in accordance with such notice at the place at which the same are expressed in such notice to be redeemable, with all appertaining coupons, if any, maturing after said redemption date, such Bonds shall forthwith after the making of such deposit be paid by the depository, on behalf of the University, at such redemption price. Such payment of the redemption price shall be made to the bearer of any such Bonds, unless it shall then be registered, in which case such payment shall be made to the registered owner. All unpaid interest installments represented by coupons which

shall have matured on or prior to the date of redemption specified in such notice, shall continue to be payable to the bearers, severally and respectively, and the redemption price payable to the holders of Bonds presented for redemption shall not include such unpaid installments of interest unless coupons representing such installments shall be attached to the Bonds presented for redemption.

SECTION 3.05. *Effect of Redemption.* If the amount necessary to redeem all of the Bonds called for redemption as aforesaid shall have been deposited with the paying agent, for the account of the holder or holders of such Bonds on or before the day preceding the date specified for such redemption, and the notice hereinbefore mentioned shall have been duly given, and all charges and expenses of the paying agent in connection with such redemption, or otherwise hereunder, shall have been fully paid or provided for, the University shall be privileged to consider such Bonds redeemed from the holder or holders thereof, and interest on such Bonds shall cease on the date specified for such redemption, and the University shall thereupon (subject to the provisions of Article Ten hereof) be discharged from and after the redemption date specified in such notice from further liability in respect of the Bonds so called for redemption, and thereafter such Bonds shall not be entitled to any benefit of or from this Resolution. In case any question shall arise as to whether any such notice shall have been sufficiently given, or such redemption effected, such question shall be decided by the paying agent, and the decision of the paying agent shall be final and binding upon all parties in interest. No holder of any Bond shall be entitled to any interest on money deposited for the redemption of Bonds.

SECTION 3.06. *Cancellation of Bonds.* All Bonds redeemed and paid, as provided in this Article Three, shall, together with all coupons appertaining thereto, if any, be cancelled by the University and no Bonds or coupons so redeemed shall be reissued, nor shall any Bonds or coupons be issued in lieu thereof.

## ARTICLE FOUR

### ISSUANCE OF BONDS

SECTION 4.01. *Issuance of 1963 Series A and B Bonds.* Series A Bonds in the principal amount of Six Million Eight Hundred Thousand Dollars (\$6,800,000) and Series B Bonds in the amount of Four Million Dollars (\$4,000,000) shall be executed on behalf of the Board of Trustees and delivered to or upon the written order of the Comptroller.

SECTION 4.02. *Issuance of Additional Bonds.* Subject to the conditions and limitations hereinafter set forth and provided the University shall not at the time be in default under any of the terms, covenants or provisions of this Resolution, additional Bonds of equal rank with the 1963 Series A and B Bonds may be issued from time to time under the terms of this Resolution having such maturities, providing for the payment of such rates of interest and having such other characteristics as shall be determined by the Board of Trustees and set forth in a resolution to be supplemental hereto; *provided* such additional Bonds shall be issued only for one or more of the following purposes:

A. To provide funds necessary to pay the cost of completing the Project herein provided for in accordance with the plans and specifications now on file in the office of the Physical Plant Department, Navy Pier, Chicago, Illinois; or

B. Paying the cost of equipping, enlarging or improving the Project, provided that no Bonds may be issued for paying the cost of enlargements or improvements which would increase the size of the Congress Circle Union Building (as measured in gross square feet of floor space) by more than twenty-five per cent (25%); or

C. Paying the cost of construction or improvement of parking lots or parking structures for the Congress Circle campus;

*provided further* that the following conditions precedent are complied with at or prior to the time of issuance of such additional Bonds:

(i) In the event additional Bonds are issued for the purposes indicated in clause A above to provide additional funds necessary to pay the cost of completing the Project, the Architects employed by the University for the construction of said Project have submitted a certificate to the Board of Trustees setting forth an itemized statement of the work completed to the

date of said certificate, the cost thereof and an itemized statement of the work yet to be completed and the estimated cost of the work to be completed and such certificate of estimate shall be presented to and approved by said Board of Trustees preceding the adoption of any resolution authorizing the issuance of additional Bonds for such purpose, and

(ii) In the event additional Bonds are issued for the purpose of paying the cost of equipping, enlarging or improving the Project as provided in clause B and/or C above, the Net Income Available for Debt Service shall be equal to or greater than one and thirty-five hundredths (1.35) times the amount to become due in each succeeding fiscal year for the payment of principal and interest on the Bonds then outstanding hereunder and the Bonds then to be issued; provided that for any bonds issued prior to January 1, 1974, the income from student service charges shall not be based upon fall term student enrollments greater than 8,200 in 1965, 9,500 in 1966, 14,000 in 1967, 16,200 in 1968, 17,600 in 1969, 18,700 in 1970, 19,000 in 1971, 19,700 in 1972 and 20,000 in 1973 and each year thereafter, except that the most recent fall term enrollment figure may be substituted for the enrollment estimate for any year or years.

All such additional Bonds shall be issued pursuant to a resolution supplemental hereto, duly adopted by the Board of Trustees, setting forth the form of such additional Bonds and the terms and conditions applicable thereto. For the purpose of this Section any computation of Net Income Available for Debt Service prepared and certified by the Comptroller, setting forth in detail the computation thereof and demonstrating that it is equal to or greater than the amount required above shall be binding and conclusive upon the Board of Trustees and the holders of all Bonds then outstanding hereunder and then to be issued.

## ARTICLE FIVE

### PROVISIONS RELATING TO INCOME AND APPLICATION THEREOF

SECTION 5.01. *Congress Circle Union Bond Fund.* All revenues derived from the following sources are hereby pledged and shall be held in trust for the benefit of the Bond holders for the purpose of making the payments or deposits required to be made under subsections (a), (b) and (c) of Section 5.02 of this Resolution:

- (1) the operation of the Project,
- (2) the operation of any other revenue producing facilities for the account of which additional Bonds may hereafter be issued; and
- (3) student service charges;

and such revenues shall be deposited as collected in a general banking account of the University to the credit of a special fund which is hereby created and designated as the "Congress Circle Union Bond Fund" said account to be maintained in a bank which is a member of the Federal Deposit Insurance Corporation and the Board of Trustees covenants that all revenues, income, receipts, profits, rates, rents or charges derived from the operation of such facilities shall be so credited within three working days after receipt in the Congress Circle Union Bond Fund and shall be used as provided in Section 5.02 hereof.

SECTION 5.02. *Disposition of Congress Circle Union Bond Fund.* The funds in the Congress Circle Union Bond Fund shall be used in the manner and in the order hereinafter mentioned:

(a) Funds in the Congress Circle Union Bond Fund representing revenues derived from student service charges shall first be used for the purpose of making the next succeeding deposit in the Bond and Interest Sinking Fund Account required to be made pursuant to subsection (b) below. All funds representing revenues derived from sources other than student service charges together with student service charges, if any, remaining after making the deposit in the Bond and Interest Sinking Fund of all amounts required to meet the next succeeding deposit required to be made by subsection (b) below, shall first be used to pay all current operating expenses and thereafter for the purposes specified in subsections (b), (c) and (d) below.

(b) There is hereby created an account to be designated the Congress Circle Union Bond and Interest Sinking Fund Account (herein sometimes called the "Bond and Interest Sinking Fund Account"), which shall be main-

tained with the Continental Illinois National Bank and Trust Company of Chicago or its successor in the City of Chicago, Illinois, which bank is hereby designated as the depository for said account. The University shall deposit in said Bond and Interest Sinking Fund Account on or before March 1 and September 1 of each year a sum not less than one hundred thirty-five per cent (135%) of the interest becoming due on the next semiannual interest payment date plus sixty-seven and one-half per cent (67½%) of the principal payments becoming due within the next succeeding twelve months to be paid from the Congress Circle Union Bond Fund, until such time as such funds and investments (valued at the lower of cost or market), and the income and profits realized from any investments thereof, after providing for the next interest payment due on all then outstanding Bonds and for the principal payments due at the next maturity date for each series of Bonds outstanding (except that provision need be made only for one-half of the principal payments due more than six months after such deposit date), have created a debt service reserve in an amount equal to two hundred per cent (200%) of the annual amount to become due in the succeeding fiscal year for the payment of principal of and interest on all Bonds then outstanding, and thereafter in a like manner such sums semiannually as may be necessary to meet the then current debt service requirement and to maintain the aforesaid debt service reserve. Said funds shall be held and used for the payment of principal, interest and premium, if any, on the Bonds. For the purpose of this paragraph interest and principal accruing prior to the estimated completion date of the Project and deposited into the Bond and Interest Sinking Fund Account out of the proceeds of the Bonds or from a Construction Fund Account shall not be deemed to be interest or principal to become due on the Bonds.

After setting aside funds for the payment of Bonds which have matured and for past due interest or interest coupons and for principal, accrued interest and premium, if any, on Bonds called for redemption but not paid, funds of the Bond and Interest Sinking Fund Account in excess of the principal and interest requirements for the next succeeding twelve (12) months may be invested by the depository from time to time by written order of the Comptroller in United States Government securities maturing not more than five (5) years from date of purchase. Funds held for interest and principal payments during the next succeeding twelve (12) months (excluding funds held for the payment of Bonds which have matured and for past due interest or interest coupons and for principal, accrued interest and premium, if any, on Bonds called for redemption but not paid) may be invested by the depository from time to time by written order of the Comptroller in United States Government securities maturing in such manner that at all times sufficient securities will mature not later than ten (10) days prior to each succeeding interest payment date to meet the interest and principal payments becoming due on each such date.

(c) After setting aside all funds at the time required for the purposes specified in paragraph (a) above and all funds required to meet the next succeeding minimum deposit required to be made by paragraph (b) above, into said Bond and Interest Sinking Fund Account, the University shall establish on its books a Repair and Replacement Reserve (which shall consist of two parts, an equipment reserve and a repairs reserve) to which there shall be credited on or before the close of each fiscal year commencing with the fiscal year beginning July 1, 1965, (1) the sum of \$30,000 or such portion thereof as is available for transfer annually for an equipment reserve until the funds and/or investments in the equipment reserve portion of the Account shall aggregate \$625,000 and thereafter such sums, but not more than \$30,000 annually, as may be required to restore and maintain the balance of \$625,000, and (2) the sum of \$60,000 or such portion thereof as is available for transfer annually for a repairs reserve. All moneys in the Repair and Replacement Reserve may be drawn on and used by the University for the purpose of paying the cost of unusual or extraordinary maintenance or repairs, renewals and replacements, and the renovating or replacement of furniture and equipment not paid as part of normal operating expenses. Funds standing to the credit of said Repair and Replacement Reserve may be invested by the Comptroller in United States Government

securities until such time as funds are needed. In the event that there is any deficiency in the funds required to be deposited semiannually into the Bond and Interest Sinking Fund Account or there is a deficiency in the debt service reserve, as provided in paragraph (b) above, sufficient funds shall be transferred from the Repair and Replacement Reserve and deposited in the Bond and Interest Sinking Fund Account to eliminate such deficiency.

(d) All funds remaining in said Congress Circle Union Bond Fund in any fiscal year after the full debt service reserve prescribed in subsection (b) of this Section has been provided for and after all provisions in subsections (a), (b) and (c) of this section have been met and all deficiencies have been made up, shall be deemed surplus moneys and shall be used for any of the following purposes: (1) for calling and redeeming the outstanding Bonds, which by their terms are redeemable prior to maturity; (2) for purchasing Bonds in the open market, with all unmatured interest coupons thereto attached at the lowest prices reasonably attainable, but not exceeding the amount at which such Bonds at the time are redeemable; (3) for investment by the Comptroller in United States Government securities until such time as funds are needed for other purposes; (4) for unusual or extraordinary repairs, replacements, or improvements to the facilities, for which no funds can be properly provided in subsection (a) above or which are in excess of the amount available therefor in the Repair and Replacement Reserve; and (5) for any lawful purpose as the Board of Trustees may direct.

## ARTICLE SIX

### APPLICATION OF PROCEEDS OF SALE OF BONDS

SECTION 6.01. *Custody and Application of Bond Proceeds.* The proceeds from the sale of Bonds to be issued from time to time hereunder shall be applied only toward the cost of acquiring, constructing, equipping, enlarging, or improving facilities, all as hereinbefore provided. When received, the part of the purchase price of Bonds representing the interest accrued on Bonds to the date of payment of such purchase price, together with such portion of the proceeds of the Bonds as is determined by the Board of Trustees to be necessary to be so set apart representing interest and principal, if any, to become due on such Bonds prior to the time the facilities for the account of which such Bonds have been issued become revenue producing and funds become available therefrom, shall be deposited in the Bond and Interest Sinking Fund Account. The remaining part of such purchase price shall be retained by the University and accounted for as a separate fund or funds to be known as a "Construction Fund Account" and such monies shall be deposited in a bank or banks which are members of the Federal Deposit Insurance Corporation. The monies in each Construction Fund Account shall be applied only toward the cost of construction in the manner and subject to the terms provided in any contract or agreement between the Board of Trustees and any purchaser of Bonds or as may be provided by a resolution supplemental hereto and relating to each separate series of Bonds to be issued hereunder, but in such a manner as to assure completion of the project or improvement for the account of which such Bonds were issued free and clear of mechanic's liens and substantially in accordance with the plans and specifications therefore.

SECTION 6.02. *Investment of Construction Fund.* Pending disbursement for the purpose aforesaid the Comptroller may from time to time invest all or any part of the moneys in the Construction Fund Account not to be needed within the next succeeding thirty (30) days for the purposes hereinabove set forth in bonds, or other direct and general obligations of the United States of America having a maturity date or becoming due at the option of the holder not more than three years subsequent to the date of investment therein. Interest accruing as a result of any such investments when received shall be credited to the Construction Fund Account.

SECTION 6.03. *Disposition of Surplus Funds.* After completion of each construction or improvement project, the Comptroller of the University shall execute a certificate to the effect that said project has been fully completed according to the plans and specifications and the same filed in the office of the Secretary of the Board of Trustees. Subject to the terms and provisions of any contract or agreement between the Board of Trustees and any original purchaser of Bonds and relating to any separate series of Bonds to be issued hereunder, if there be

funds remaining in a Construction Fund Account at the time of the filing of such certificate with the Secretary, said funds shall be withdrawn by the Comptroller and deposited in the Bond and Interest Sinking Fund Account. Any contract or agreement between the Board of Trustees and any original purchaser of Bonds may provide that any funds remaining in a Construction Fund Account established for the account of any series of Bonds being acquired by such purchaser be applied to the redemption of such Bonds or other Bonds then subject to redemption or to the purchase of Bonds on the open market.

## ARTICLE SEVEN

### ADDITIONAL COVENANTS OF THE UNIVERSITY

The Board of Trustees of the University of Illinois hereby covenants and agrees as follows:

**SECTION 7.01. *Authority for Bonds.*** That it is duly authorized under the laws of the State of Illinois and under all other applicable provisions of law to create and issue the Bonds herein provided for, and to pledge and apply the net income of the facilities and student service charges as herein provided; that all corporate and other action on its part for the creation and issuance of the initial issue of Bonds has been duly taken; that said Bonds when issued and in the hands of the holders thereof will be valid and enforceable obligations of the University according to the import thereof; that this Resolution is and will remain a valid Resolution to secure the payment of said Bonds and that the University has complete and lawful authority and privilege to acquire, construct, equip, operate, enlarge, improve, maintain, control and manage the facilities as herein provided.

**SECTION 7.02. *Right to Use and Occupancy of the Facilities and Not to Encumber Same.*** That it hereby warrants that it has a valid and existing right to the use and occupancy of the facilities and the sites thereof and the right to construct, equip, operate, enlarge, improve, maintain, control and manage the facilities and it, or the State of Illinois, has indefeasible title in fee simple to the sites of the facilities subject only to current taxes not in default, except for the sites of parking lots, for which it has a valid contract for the acquisition of the sites; that it will not further encumber said property or the income therefrom and that it will not, while any Bonds are outstanding hereunder encumber the title to or pledge or agree to pay to others the income from any of the said facilities; that it will within three months after the same shall accrue pay and discharge or cause to be paid and discharged, all lawful claims and demands of mechanics, laborers and others which if unpaid might by law become liens upon the facilities or the sites thereof unless contested in good faith and by appropriate legal proceedings. Any assessment or attempt to assess property shall not be considered an encumbrance within the meaning of this section so long as the University takes proper action to prevent judgment being entered against said property. Nothing contained in this Resolution shall be construed to prevent the University from using any portion of land included in a project site, other than the specific land on which the facilities are located, for any lawful purposes so long as the use and occupancy of the facilities are not impaired. Any project site, or portion thereof, used as a parking lot may be used for purposes other than parking so long as (1) an equal or greater number of parking spaces are constructed at another location on the Congress Circle Campus to replace those parking spaces which are eliminated for such reason and the revenues to be derived from the new spaces are pledged for the benefit of the Bondholders and held and applied as in Article Five provided or (2) the Net Income Available for Debt Service for each succeeding fiscal year thereafter (after giving effect to the elimination of such parking spaces and the substitution, if any, of other spaces) shall be equal to or greater than 1.35 times the amount to become due in each succeeding fiscal year for the payment of principal of and interest on the Bonds then outstanding hereunder.

**SECTION 7.03. *To Pay Principal and Interest.*** That it will duly and punctually pay or cause to be paid the principal sum and the interest accruing on said principal, on each and every one of the Bonds secured or to be secured hereby, at the dates and places, and in the manner provided in said Bonds, and in the coupons thereunto appertaining, according to the terms thereof.

**SECTION 7.04. *Taxes.*** That it will pay and discharge all taxes, assessments and Governmental charges which shall be imposed upon the facilities provided,

however, that the University shall not be required to pay any such tax, assessment, charge or claim so long as the University in good faith and by appropriate legal proceedings shall contest the validity thereof or its enforceability as a lien, and provided further that any such delay occasioned thereby shall not subject the facilities or any part thereof to forfeiture or sale.

**Section 7.05. *Payment of Bondholders' Costs and Expenses.*** That it will pay all and singular the costs, charges and expenses including reasonable attorney fees incurred or paid at any time by the holder of any of the Bonds because of the failure on the part of the University to perform, comply with and abide by each and every of the stipulations, agreements, conditions and covenants of the Bonds and this Resolution, or either of them.

**Section 7.06. *Construction of New Facilities, Maintenance, Repairs, Application of Income, Operation of Additional Facilities.*** That following the issuance of each series of Bonds under this Resolution it will cause the facilities for the account of which such Bonds were issued to be constructed with all reasonable dispatch; that it will at all time from income made available for such purpose maintain, preserve and keep all the facilities and all additions and betterments thereto and every part and parcel thereof in good repair, working order and operating condition; that it will continuously operate the facilities on a revenue producing basis; and that it will use and apply the income from the facilities only as provided in Article Five of this Resolution.

**Section 7.07. *Student Service Charges and Rental Rates.*** That so long as any Bonds herein authorized to be issued shall remain outstanding it will continuously operate and maintain the facilities, will adopt such rules and regulations and fix and maintain such student service charges, rates, rents, fees, and charges for the use of said facilities as will provide revenue sufficient to provide and maintain the aforesaid Bond and Interest Sinking Fund Account and the required reserves therefor, to pay the reasonable cost of operating and maintaining the facilities and to provide and maintain the Repair and Replacement Reserve, and that it will collect and account for and apply the aforesaid income and revenues in accordance with and as provided by this Resolution. Student service charges for the general use of the facilities will be assessed against and charged to each and every student enrolled for credit in the University of Illinois at Congress Circle as a condition precedent to enrollment, except that exemptions from the payment of the student service charges may be granted under policies established from time to time by the Board of Trustees for certain limited classes of students (such as scholarship students and graduate students holding staff appointments) if the University then has unallocated funds authorized by law to be retained in the Treasury of the University in an amount equal to all student service charges for which exemptions are then being granted and if the University shall forthwith deposit into the Congress Circle Union Bond fund an amount equal to the aggregate of all such exempted student service charges; provided, however, that no such deposit need be made by the University at any time when the only effect of such deposit would be to create surplus moneys in the Congress Circle Union Bond fund, under sub-section (d) of Section 5.02 of this Resolution.

**Section 7.08. *Record Keeping.*** That it will, so long as any of the Bonds issued hereunder remain outstanding and unpaid, keep proper and separate books of accounts and records in which full, true and correct entries will be made of all dealings and transactions relating to the properties, business and financial affairs of the University as related to the facilities and such records and books shall be open to inspection by the Bond holders and their agents or representatives.

**Section 7.09. *Audit Reports and Furnishing of Same.*** That it will on or before one hundred fifty (150) days after the end of each fiscal year commencing with the fiscal year ending June 30, 1964, cause to be prepared and will furnish to the depository and (upon written request therefor) to the holder or holders of any Bonds, certified reports of audit based on an examination sufficiently complete to comply with generally accepted auditing standards, prepared by a nationally recognized firm of independent public accountants, covering the operations of the facilities for the fiscal year next preceding, and showing the income and expenses for such period. Such audit report shall include a statement in reasonable detail of income from and expense of each separate facility and shall show the student enrollment of the University and the schedule of student service

charges. Such audit report shall also include statements of the status of each fund, reserve or account established under the terms of Article Five hereof showing the amount and source of the deposits therein, the amount and purpose of the withdrawals therefrom and the balance therein at the beginning and end of the fiscal year. There will also be included with each audit report a written opinion of the accountant that in making the examination necessary to said audit no knowledge of any default by the University in the fulfillment of any of the terms, covenants, provisions and conditions of this Resolution was obtained, or, if such accountant shall have obtained knowledge of such default a statement of the default or defaults thus discovered and the nature thereof.

SECTION 7.10. *Fire and Extended Coverage Insurance.* That as long as any of said Bonds authorized to be issued hereunder shall remain outstanding and unpaid, either as to principal or interest, or both, it will maintain insurance on said facilities, including all equipment thereof, against loss or damage by fire and windstorm and all other risks included in extended coverage insurance in amounts sufficient to provide for not less than full recovery of the insurable value whenever the loss from causes covered by such insurance does not exceed eighty per cent (80%) of the full insurable value of said buildings. Such insurance policy or policies shall be payable to The Board of Trustees of the University of Illinois, and all moneys collected on account of loss or damage covered by any such policy or policies of insurance shall be held in trust by the Board of Trustees and shall be used only for restoration of the property so damaged or, at the election of the Board of Trustees, deposited for credit to the Bond and Interest Sinking Fund Account.

SECTION 7.11. That as long as the funds and investments of the Bond and Interest Sinking Fund Account are less than the maximum debt service reserve required to be maintained under Section 5.02 (b) of this Resolution, it will procure and maintain Business Interruption Insurance on the Congress Circle Union Building in an amount not less than two years' debt service requirements. Such insurance policy or policies shall be payable to The Board of Trustees of the University of Illinois and all moneys collected on account of loss covered by any such insurance shall be held in trust by the Board of Trustees and credited to the Congress Circle Union Bond Fund.

## ARTICLE EIGHT

### EVENTS OF DEFAULT

SECTION 8.01. *Events of Default.* The University shall be in default herein if one or more of the following events (herein called "events of default") shall happen, to-wit:

(a) Failure to make due and punctual payment of the principal of or any redemption premium on any Bond when and as the same shall become due and payable;

(b) Failure to make due and punctual payment of any installment of interest on any Bond when and as such interest installment shall become due and payable, and such default shall have continued for a period of thirty (30) days;

(c) Failure to make due and punctual payment or satisfaction of any payment into the Bond and Interest Sinking Fund Account when and as such payments shall become due and payable as in this Resolution or any resolution supplemented hereto expressed and such default shall have continued for a period of one hundred eighty (180) days;

(d) If the University shall default in the observance of any other covenants, agreements or conditions on its part in this Resolution or any resolution supplemental hereto or in the Bonds contained, and such default shall have continued for a period of ninety (90) days after notice thereof given to the University by the holder of any Bond setting forth the nature of such default.

If an event of default shall happen and be continuing, then and in each and every such case the holders of not less than a majority in aggregate principal amount of the Bonds at the time outstanding shall be entitled, upon notice in writing to the University, to declare the principal of all of the Bonds then outstanding hereunder and the interest accrued thereon to be due and payable



immediately, and upon any such declaration the same shall become and shall be immediately due and payable, anything in this Resolution or in the Bonds contained to the contrary notwithstanding.

All of the revenues of the facilities including all sums in the Congress Circle Union Bond Fund upon the date of the happening of any event of default and all revenues of the facilities thereafter received by the University, shall be applied by the University in the order following upon presentation of the several Bonds and coupons, and the stamping thereon of the payment if only partially paid, or upon the surrender thereof if fully paid:

*First*, to the payment of the costs and expenses of the holders of the Bonds in declaring such event of default, including reasonable compensation to their agents, attorneys and counsel;

*Second*, in case the principal of the Bonds shall not have become due and shall not then be due and payable, to the payment of the interest in default in the order of the maturity of the installments of such interest, with interest on the overdue installments at the rate now or hereafter provided by law, such payments to be made ratably to the persons entitled thereto without preference or priority;

*Third*, in case the principal of the Bonds shall have become due and shall be then due and payable, to the payment of the whole amount then owing and unpaid upon the Bonds for principal and interest, with interest on the overdue principal at the rate or rates of interest specified in the Bonds and on installments of interest at the rate now or hereafter provided by law, and in case such moneys shall be insufficient to pay in full the whole amount so owing and unpaid upon the Bonds, then to the payment of such principal and interest without preference or priority of principal over interest, or of interest over principal, or of any installment of interest over any other installment of interest, ratably to the aggregate of such principal and interest.

**SECTION 8.02. *Rights of Holders of Bonds Upon Default.*** Subject to any contractual limitations binding upon the holders of any of the Bonds (including any other limitations herein upon the exercise of any remedy to holders holding a specific proportion or percentage of the Bonds), any holder of Bonds shall have the right, for the equal benefit and protection of all holders of Bonds similarly situated:

(a) By suit at law or proceedings in equity to compel observance by the University or by any of its officers, agents, and employees of any contract or covenant made by the University with the holders of bonds and coupons as provided in this Resolution, and to compel the University and any of its officers, agents and employees, to perform any duties required to be performed for the benefit of the holders of the Bonds or coupons as provided by this Resolution, and to enjoin the University and any of its officers, agents or employees from taking any action in conflict with any contract or covenant with the holders of the Bonds and coupons as provided by this Resolution;

(b) By action or suit in equity to require the University to account as if it were the trustee of an express trust; or

(c) By action or suit in equity to enjoin any acts or things which may be unlawful or in violation of the rights of the holders of Bonds.

No remedy conferred hereby upon any holder of Bonds is intended to be exclusive of any other remedy, but each such remedy is cumulative and in addition to every other remedy and may be exercised without exhausting and without regard to any other remedy conferred hereby. No waiver of any default or breach of duty or contract by the holder of any Bond shall extend to or shall affect any subsequent defaults or breach of duty or contract or shall impair any rights or remedies thereon. No delay or omission of the holder of any Bond to exercise any right or power accruing upon any default shall impair any such right or power or shall be construed to be a waiver of any such default or acquiescence therein. Every substantive right and every remedy conferred upon the holders of Bonds may be enforced and exercised from time to time and as often as may be deemed expedient. In case any suit, action or proceeding to enforce any right or exercise any remedy shall be brought or taken and then discontinued or abandoned, or shall be determined adversely to the holders of

Bonds, then, and in every such case, the University and the holders of Bonds shall be restored to their former positions and rights and remedies as if no such suit, action or proceeding had been brought or taken.

## ARTICLE NINE

### MODIFICATION AND AMENDMENT OF THE RESOLUTION

SECTION 9.01. *Amendment by Consent of Bond Holders.* This Resolution and the rights and obligations of the University and of the holders of the Bonds and coupons may be modified or amended at any time by resolution supplemental hereto adopted by the Board of Trustees pursuant to the affirmative vote of the holders of sixty-six and two-thirds per cent ( $66\frac{2}{3}\%$ ) in principal amount of all of the Bonds then outstanding at a meeting of Bond holders held in accordance with this Article, or with the written consent without a meeting, given as provided in Section 9.04, of the holders of sixty-six and two-thirds per cent ( $66\frac{2}{3}\%$ ) in principal amount of all of the Bonds then outstanding; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on, or otherwise alter or impair the obligation of the University to pay the principal or interest or redemption premiums at the time and place and at the rate and in the currency provided therein of any Bond without the express consent of the holder of such Bond, or (ii) permit the creation by the University of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held hereunder, except as permitted by this Resolution, other than the lien and pledge created by this Resolution, or (iii) permit the creation of a preference or priority of any Bond or Bonds over any other Bond or Bonds or coupon or coupons, or (iv) reduce the percentages of Bonds required for the affirmative vote or written consent to an amendment or modification, without the written consent of holders of all Bonds.

SECTION 9.02. *Bond Holders Meetings.* The University may at any time call a meeting of the holders of Bonds. Every such meeting shall be held at such place in the City of Chicago, State of Illinois, as may be specified in the notice calling such meeting. Written notice of such meeting, stating the place and time of the meeting and in general terms the business to be submitted, shall be given by the University by registered or certified mail, postage prepaid, not less than thirty (30) nor more than sixty (60) days before such meeting, to each registered owner of Bonds then outstanding, at his address, appearing upon the books of registration, and in the event there shall then be outstanding any coupon Bonds which shall not be registered as to principal such notice shall also be published by the University at least once a week for two (2) successive weeks in a daily newspaper published in the English language and having a general circulation in the City of Chicago, State of Illinois, and also by similar publication in a financial newspaper published in the Borough of Manhattan in the City and State of New York, the first publication to be not less than thirty (30) nor more than sixty (60) days prior to the meeting; provided, however, that in any case where publication shall be required as herein before set forth the mailing of such notice shall in no case be a condition precedent to the validity of any action taken at any such meeting.

SECTION 9.03. *Attendance in Person or by Proxy.* Attendance and voting of Bond holders at such meeting may be in person or by proxy. Owners of Registered Bonds may, by an instrument in writing under their hands, appoint any person as their proxy to vote at any meeting for them.

In order that holders of Bonds payable to bearer or their proxies may attend and vote without producing their Bonds, the University may make and from time to time vary such regulations as it shall think proper for the deposit of Bonds with, or exhibit of Bonds to, any banks or trust companies, wherever situated, and for the issue by them, to the persons depositing or exhibiting such Bonds, of certificates in form approved by the University which shall constitute proof of ownership entitling the holders thereof to be present and vote at any such meeting and to appoint proxies to represent them and vote for them at any such meeting in the same way as if the persons so present and voting, either personally or by proxy, were the actual bearers of the Bonds in respect of which such certificates shall have been issued, and any regulations so made shall be binding and effective. Copies of such regulations shall be kept on file in the

offices of the paying agent in Chicago, Illinois, and the Secretary of the University.

Any registered owner of Bonds or any holder of a certificate provided for in this Section 9.03 shall be entitled in person or by proxy to attend and vote at such meeting as holder of the Bonds registered or certified in his name, without producing such Bonds. All others seeking to attend or vote at such meeting in person or by proxy must produce the Bonds claimed to be owned or represented at such meeting, and all persons seeking to attend or vote at such meeting in person or by proxy shall, if required, produce such further proof of Bond ownership or personal identity as shall be satisfactory to the University. All proxies presented at any meeting shall be delivered to the inspectors of votes and filed with the University.

**SECTION 9.04. Amendments by Written Consent of Bond Holders.** The University may at any time adopt a valid resolution amending the provisions of the Bonds or of this Resolution or of any resolution supplemental hereto, to the extent that such an amendment is permitted by the provisions of Section 9.01, to take effect when and as provided in this Section. A copy of such resolution, together with a request of the University to Bond holders for their consent thereto, shall be mailed by the University to each registered owner of Bonds and notice of the adoption thereof shall be published in the manner provided in Section 9.02 for the mailing and publication referred to in that Section (but failure to mail copies of such resolution and request shall not affect the validity of the resolution when assented to as in this Section provided). Such resolution shall not be effective unless and until there shall have been filed with the University the written consents of the percentage of holders of outstanding Bonds specified in Section 9.01. Each such consent shall be effective only if accompanied by proof of ownership of the Bonds for which such consent is given, which proof shall be such as is permitted by Section 9.03. Any such consent shall be binding upon the holder of the Bonds giving such consent and on any subsequent holder of such Bonds (whether or not such subsequent holder has notice thereof).

**SECTION 9.05. Supplemental Resolutions or Amendments Without Consent of Bond Holders.** The Board of Trustees may from time to time and at any time, subject to the conditions and restrictions in this Resolution contained, but without requiring the consent of the holders of any of the Bonds, adopt a resolution or resolutions supplemental hereto, which shall thereafter form a part hereof for any one or more or all of the following purposes:

(a) To add to the covenants and agreements of the University in this Resolution contained, other covenants and agreements thereafter to be observed and/or to surrender any right or power herein reserved to or conferred upon the Board of Trustees;

(b) To clarify any ambiguity or to clarify, correct or supplement, any defect or inconsistent provision contained in this Resolution or any resolution supplemental hereto; and

(c) To provide for the issuance of additional Bonds hereunder upon the terms and conditions in this Resolution specified.

**SECTION 9.06. Endorsement of Bonds.** Bonds delivered after the effective date of any action taken as provided in this Article Nine may bear a notation by endorsement or otherwise in form approved by the University as to such action, and in that case upon demand of the holder of any Bond outstanding at such effective date and presentation of his Bond for the purpose at the office of the Comptroller of the University a suitable notation shall be made on such Bond by the University as to any such action. If the University shall so determine, new Bonds so modified as to conform to such action shall be prepared and delivered, and upon demand of the holder of any Bond then outstanding shall be exchanged at the office of the Comptroller of the University, without cost to any Bond holder, for Bonds then outstanding, upon surrender of such Bonds with all unmatured coupons, if any, appertaining thereto.

**SECTION 9.07. Exclusion of Bonds.** Bonds owned or held by or for the account of the University shall not be deemed outstanding for the purpose of any vote or consent or other action or any calculation of outstanding Bonds in this Article provided for, and shall not be entitled to vote or consent or take any other action in this Article provided for.

## ARTICLE TEN

## MISCELLANEOUS

SECTION 10.01. *Benefits of Bond Holders Limited to Parties.* Nothing in this Resolution, expressed or implied, is intended or shall be construed to confer upon, or to give to, any person, firm or corporation other than the University and the holders of the Bonds and of the coupons outstanding, any right, remedy or claim under or by reason of this Resolution, and any covenants, stipulations, promises and agreements in this Resolution contained by and on behalf of the University shall be for the sole and exclusive benefit of the University and of the holders of Bonds and of the coupons outstanding.

SECTION 10.02. *Successor Is Deemed Included in All References to Predecessor.* Whenever in this Resolution or any resolution supplemental hereto either the University or the paying agent is named or referred to, such reference shall be deemed to include the successors or assigns thereof, and all the covenants and agreements in this Resolution contained by or on behalf of the University shall bind and inure to the benefit of the respective successors and assigns thereof whether so expressed or not.

SECTION 10.03. *Discharge of Resolution.* If all of the outstanding Bonds shall have matured, or shall have been duly called for redemption and the redemption date thereof shall have arrived, and if the University shall have deposited with the depository in trust, funds pursuant to this Resolution sufficient to pay and available for the payment of all amounts due on all Bonds then outstanding, including all principal, interest and redemption premiums, if any, and provision shall also be made for paying all other sums payable hereunder by the University, then, notwithstanding that any Bonds or interest coupons shall not have been surrendered for payment, the pledge of the income provided for in this Resolution and all other obligations of the University under this Resolution shall cease and terminate except as hereinafter in the next succeeding paragraph provided.

Any such funds held by the depository which have not been disbursed in the payment of Bonds and interest as aforesaid during the period of ten (10) years after the deposit referred to in the foregoing paragraph, shall be repaid to the University by the paying agent on written request of the University together with the schedule of the Bonds not paid or redeemed and thereupon the holder of any of the Bonds or coupons entitled to receive such payments, shall thereafter look only to the University for the payment thereof; provided, however, that the depository before being required to make such repayment, shall at the expense of the University, effect publication once a week for two successive weeks in a daily newspaper published in the English language, and having a general circulation in the City of Chicago, State of Illinois, and also by a similar publication in the Borough of Manhattan in the City and State of New York, a notice to the effect that said moneys have not been so applied and that after a date named in said notice, any unclaimed balance of said moneys then remaining will be refunded to the University.

No Bond or appurtenant coupon shall, after maturity thereof either according to its terms or through call of such Bond for earlier redemption, be deemed to be outstanding provided that moneys in the requisite amount for the payment thereof shall have been deposited with the depository, as trust funds, and are available for payments of such Bond or coupon upon demand.

SECTION 10.04. *Execution of Documents by Bond Holders.* Any request, declaration or other instrument which this Resolution may require or permit to be signed and executed by Bond holders may be in one or more instruments of similar tenor, and shall be signed or executed by Bond holders in person or by their attorneys-in-fact appointed in writing.

Except as otherwise herein expressly provided, the fact and date of the execution by any Bond holder or his attorney-in-fact of such request, declaration or other instrument or writing appointing such attorney-in-fact may be proved by the certificate of any notary public or other officer authorized to take acknowledgements of deeds to be recorded in the State in which he purports to act, that the person signing such request, declaration or other instrument or writing acknowledged to him the execution thereof, or by an affidavit of a witness of such execution, duly sworn to before such notary public or other officer.

Except as otherwise herein expressly provided in this Resolution, the amount of Bonds transferable by delivery held by any person executing such request, declaration or other instrument or writing as a Bond holder, and the numbers thereof, and the date of his holding such Bonds, may be proved by a certificate, which need not be acknowledged or verified, satisfactory to the University, executed by a trust company, bank, investment banker, dealer, broker or other depository wherever situated, showing that at the date therein mentioned such person exhibited to or had on deposit with such depository the Bonds described in such certificate. Continued ownership after the date of deposit stated in such certificate may be proved by the presentation of such certificate if the certificate contains a statement by the depository that the Bonds therein referred to are in fact held on deposit by such depository and will not be surrendered without the surrender of the certificate to the depository. The University may nevertheless in its discretion require further or other proof in cases where it deems the same desirable. The ownership of registered Bonds and the amount, maturity, number and date of holding the same shall be proved by the registry books.

Any request, declaration or other instrument or writing of the owner of any Bond shall bind all future owners of such Bond in respect of anything done or suffered to be done by the University hereunder in good faith and in accordance therewith.

**SECTION 10.05. *Waiver of Personal Liability.*** No officer, agent or employee of the University shall be individually or personally liable for the payment of the principal or of interest on the Bonds; but nothing herein contained shall relieve any such officer, agent or employee from the performance of any official duty provided by law.

**SECTION 10.06. *Official Publication.*** Any publication to be made under the provisions of this Resolution in successive weeks may be made in each instance upon any business day of the week and need not be made on the same day of any succeeding week nor in the same newspaper for any or all of the successive publications, but may be made in different newspapers.

**SECTION 10.07. *Partial Invalidity.*** If any one or more of the covenants or agreements, or portions thereof, provided in this Resolution should be contrary to law, then such covenant or covenants, such agreement or agreements or such portions thereof, shall be null and void and shall be deemed separable from the remaining covenants and agreements or portions thereof and shall in no way affect the validity of this Resolution or of the Bonds.

**SECTION 10.08. *Headings and Index.*** Any headings preceding the texts of the several articles hereof and any table of contents appended to copies hereof shall be solely for convenience of reference and shall not constitute a part of this Resolution, nor shall they affect its meaning, construction or effect.

**SECTION 10.09. *Covenants Not to Be Deemed Covenants of Any Present or Future Officer, Agent or Employee of University.*** All covenants, stipulations, obligations and agreements of the University contained in this Resolution shall be deemed to be covenants, stipulations, obligations and agreements of the University to the full extent authorized by law and permitted by the Constitution of the State of Illinois, and no covenants, stipulations, obligations or agreements contained herein shall be deemed to be a covenant, stipulation, obligation or agreement of any present or future officer, agent or employee of the University in his individual capacity, and no officer executing the Bonds shall be liable personally on the Bonds or be subject to any personal liability or accountability by reason of the issue thereof. No officer, agent or employee of the University shall incur any personal liability in acting or proceeding or in not acting or not proceeding in good faith, reasonably and in accordance with the terms of this Resolution and applicable law.

**SECTION 10.10. *Resolution Effective on Passage.*** This Resolution shall become effective upon its passage.

STATE OF ILLINOIS }  
COUNTY OF CHAMPAIGN } ss.

I, \_\_\_\_\_, do hereby certify that I am the duly elected, qualified and acting Secretary of The Board of Trustees of the University of Illinois, and as such official have charge and custody of the minutes and records of said Board of Trustees.

I further certify that the attached resolution is a true, correct and exact copy of the original resolution adopted by The Board of Trustees of the University of Illinois at its legally convened meeting held on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, all as appears of record in my office.

IN WITNESS WHEREOF I have hereunto set my hand and the seal of said University this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

\_\_\_\_\_  
Secretary as aforesaid.

### Resolution

WHEREAS, Section 7.07 of the Resolution of this Board of Trustees authorizing and providing for the issuance of \$10,800,000 Congress Circle Union Bonds, Series A and B of 1963, duly adopted June 19, 1963, provides that the Board of Trustees will adopt such rules and regulations and fix and maintain such student service charges (as defined in said Resolution) rates, rentals, fees, and charges for the use of the facilities referred to therein as will provide revenue sufficient to provide and maintain the Bond and Interest Sinking Fund Account and the required reserves therefor and to pay the reasonable cost of operating and maintaining facilities and to provide and maintain the Improvement and Replacement Reserve; and

WHEREAS, The Board of Trustees of the University of Illinois desires to comply with the above cited provisions and to adopt certain rules and to provide for certain charges applicable to the operation of the facilities;

Now, Therefore, Be It and It Is Hereby Resolved by The Board of Trustees of the University of Illinois that the officers and management of the University be and they are hereby authorized and directed in the operation of the Congress Circle Union Building and parking facilities to carry out the following rules:

RULE 1. The properties of the Congress Circle Union Building and parking facilities above referred to as the "facilities" shall be continuously operated at all times when the University is in session.

RULE 2. Subject to further action of The Board of Trustees the initial student service charge for the use of the Congress Circle Union Building shall be \$40 per regular school semester for students in Range I (carrying above 10 semester hours of work), \$25 per regular school semester for students in Range II (above five semester hours up to and including 10 hours), and \$10 per regular school semester for students in Range III (above 0 and up to and including five semester hours), and shall be assessed against and charged to each and every student enrolled for credit in the University of Illinois at Congress Circle as a condition precedent to enrollment, except to the extent exemptions may be granted upon the conditions contained in Section 7.07 of the Resolution authorizing the issuance of the Bonds. Said fee shall be effective with the fall semester of 1964 or at such earlier date as The Board of Trustees may determine.

RULE 3. Rentals, rates, fees, and charges for the use of the parking lots and the income-producing facilities within the Congress Circle Union Building shall be from time to time established and maintained in such amounts as will result in net income sufficient, together with the student service charges, to provide revenue sufficient to provide and maintain the Bond and Interest Sinking Fund Account and the required reserves therefor and to pay the reasonable cost of operating and maintaining facilities and to provide and maintain the Improvement and Replacement Reserve.

On motion of Mr. Johnston, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

### CONTRACTS FOR CONSTRUCTION OF THE CONGRESS CIRCLE CAMPUS UNION BUILDING

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of the Union Building at Congress Circle, Chicago, the award in each case to the lowest bidder:

General (Division I) — Power Construction, Inc., Oak Park.....	\$5 624 322
Base bid .....	\$5 568 511
Additive alternate for assignment of other contracts..	55 811
Plumbing and Fire Protection (Division II) — M. J. Corboy Corporation, Chicago .....	394 217
Heating, Refrigeration, and Automatic Temperature Controls (Division III) — Frank S. Bellis, Berwyn.....	534 500
Ventilating and Air Conditioning (Division IV) — H. S. Kaiser Company, Elk Grove.....	632 000
Electrical (Division V) — Hoffman Electric Company, Chicago.....	719 760
Food Service Equipment (Division VI) — Stearnes Imperial Company, Chicago .....	510 068
Total.....	\$8 414 867

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract \$8,414,867; and it is further recommended that an agreement be entered into with Power Construction, Inc., Oak Park, for the assignment of these other contracts for \$55,811, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds will be available through the sale of revenue bonds, and in state capital appropriations to the University for 1961-63 from the Universities Building Fund which have been released.

Submitted herewith is a supporting report from the Physical Plant Department, including a summary of bids received, a copy of which is being filed with the Secretary of the Board.

I concur in these recommendations.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### ADDITION TO CONTRACT FOR CONSTRUCTION OF ELECTRICAL ENGINEERING BUILDING ADDITION

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$2,720.82 in the contract with Pathman Construction Co., Chicago, for construction of two rooms within the lecture room area of the Electrical Engineering Building Addition.

Funds are available in the construction budget.

I recommend that the Comptroller be authorized to execute this change order.

On motion of Mr. Johnston, this change in contract was authorized.

#### LEASES OF PROPERTY

(21) Because of constitutional limitations, all leases of property by the University of Illinois expire on June 30 of each biennium. I recommend that the Comptroller and Secretary be authorized to renew at the end of each biennium all leases when there is no change in rental or it does not exceed \$2,500 a year. If any increase in rental is proposed, and the total annual rental is more than \$2,500 a year, a recommendation will be submitted to the Board. All leases when renewed will be listed in the Comptroller's report of contracts to the Board.

I concur.

On motion of Mrs. Watkins, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### LEASE WITH DEPARTMENT OF PUBLIC WORKS AND BUILDINGS OF THE STATE OF ILLINOIS AND THE CITY OF CHICAGO FOR A PORTION OF THE CONGRESS CIRCLE SITE

(22) The campus plan for the Congress Circle provides for closing of the existing Congress Parkway (a frontage road lying between Harrison Street and the Congress Expressway) from Morgan to Halsted Streets and the construction of a

Chicago Transit Authority Station on the Peoria Street Bridge which will be closed to vehicular traffic.

Negotiations with city of Chicago, state, and federal representatives have resulted in an agreement which will provide that the City will finance and construct the CTA Station, and the University will (1) take a lease of the Congress Parkway area as a part of the campus, (2) construct a ramp from the Peoria Street Bridge to the elevated walkway, and (3) remove the improvements on the right-of-way of the Congress Parkway and landscape and maintain the area during the period of the lease.

The proposed agreement is for the period expiring June 30, 1965, with an option to the University to renew the lease for consecutive two-year periods after expiration of the original term.

The Director of the Physical Plant and the Vice-President and Comptroller recommend approval of the agreement and lease, and that the Secretary of the Board and the Vice-President and Comptroller be authorized to execute the same upon terms and conditions, and in a form, approved by the Legal Counsel.

I concur.

On motion of Mr. Williamson, this lease was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### APPLICATION TO FEDERAL COMMUNICATIONS COMMISSION FOR FM STATION IN CHICAGO

(23) The Director of Broadcasting has requested adoption of a resolution authorizing an application to the Federal Communications Commission for a new FM station in Chicago which will broadcast in the Chicago area Station WILL programs from the Medical Center Campus and later from Congress Circle. He has secured the approval of Northwestern University and Elmhurst College officials of changes in channel assignments for their stations which will be required for a frequency assignment to the new station.

The Executive Vice-President and Provost and I concur and recommend adoption of the required form of resolution, a copy of which is submitted herewith.

On motion of Mr. Swain, the following resolution was adopted.

#### Resolution

I, A. J. Janata, Secretary of The Board of Trustees of the University of Illinois, hereby certify that the following is a true and exact extract from the minutes of the meeting of The Board of Trustees of the said University held in Peoria, Illinois, on June 19, 1963:

"On motion made and duly seconded, and with a quorum of the Board present and duly authorized to act, it was unanimously voted by those present to approve the following resolution:

"We, a duly constituted quorum of The Board of Trustees of the University of Illinois, having legal authority to act, hereby authorize and direct the Secretary of the Board of Trustees, A. J. Janata, to execute any and all legal instruments necessary to the establishment, maintenance and operation of a proposed non-profit educational FM radio station at Chicago, Illinois, including, but not limited to any and all applications or other pleadings of any sort which are now or may hereafter be required in the prosecution of such application before the Federal Communications Commission, Washington, D.C., for the construction and/or operation of said station at Chicago, Illinois."

In witness whereof, I, a duly authorized official of The Board of Trustees of the University of Illinois, have caused the seal of the University of Illinois to be hereunto affixed. Given under my hand this \_\_\_\_\_ day of \_\_\_\_\_, 1963, at Urbana, Illinois.

*Secretary of the Board of Trustees  
University of Illinois*

#### USE OF UNIVERSITY FACILITIES BY THE TWIN CITY BIBLE CHURCH

(24) The Board of Trustees authorized the use of University space in Gregory Hall by the Twin City Bible Church of Urbana for a two-year period, 1961-63,



while a new church building is being constructed. The former property of this church on Springfield Avenue, Urbana, was purchased by the University for campus expansion and the building was razed. Church officials have requested continued use of University facilities until completion of the new building. The University is reimbursed for any expense involved and use of University rooms is so scheduled as not to conflict with University needs for the same.

I concur.

On motion of Mr. Johnston, this request was approved.

#### **AUTOMOBILE PARKING REGULATIONS AND FACILITIES, URBANA-CHAMPAIGN**

(25) On the basis of a report and recommendations of the Committee on Motor Vehicle Regulations and the Campus Planning Committee (University administrative-faculty committees), I recommend that the Board of Trustees approve in principle the plan presented below for a long-range parking program for the University of Illinois, and the specific recommendations set forth therein, effective September 1, 1963; and that the President of the University be authorized to amend it from time to time in the light of experience and upon appropriate recommendations. Such action would be consistent with the General Rules Concerning University Organization and Procedure which give the President authority to make traffic and parking regulations and such changes therein as conditions may warrant, and with the action of the Board in adopting the present parking regulations and program for the Urbana-Champaign campus in June, 1958.

#### **Preface to Recommendations**

On July 18, 1962, the Board authorized the employment of Harland Bartholomew and Associates, St. Louis, Missouri, for a study of the University's parking problem on the Urbana-Champaign campus. The Bartholomew report, entitled "Long-Range Parking Program for the University of Illinois," was made available for study by University administrative officers, faculty, and staff, in December, 1962. A representative of Harland Bartholomew and Associates presented the report at an open meeting of the faculty and staff on December 12, 1962, at which time many questions were discussed.

The Committee on Motor Vehicle Regulations and the Campus Planning Committee had been assigned the task of evaluating the report and making recommendations to the President of the University. These Committees solicited criticisms of the present regulations, adopted in June, 1958, and of the Bartholomew report, and suggestions for the development of an improved parking plan for the Urbana-Champaign campus. At the December meeting, the Committees announced that all communications, recommendations, and criticisms could be sent to the Committee Chairmen prior to January 15, 1963, and that all recommendations would be considered before a tentative recommendation would be made.

More than 150 letters and memoranda were received in response to the Committees' solicitation. Thereafter the Committees met weekly in full afternoon sessions for several weeks. The tentative proposal was mailed (Faculty Letter No. 52) on February 20 to all faculty and staff, and notice was given that a meeting would be held in the University Auditorium on February 28 to discuss the proposal and to answer questions. About fifty persons were present at that meeting, and a stenographic report was made of all questions and suggestions. The record of the meeting indicated there were two or three provisions which caused the greatest concern, so that opportunity was again given to present criticisms in writing. Very few responses were received.

On March 12, the Committees had a final meeting at which its report was adopted and subsequently submitted to the President of the University. It is the judgment of the Committee, with which I agree, that the program proposed will provide a basis for some progress toward a partial solution of a very difficult and complex problem. The Committee on Motor Vehicle Regulations will need to have under continuous review the regulations for use of the various areas. It may be necessary to increase fees and to make other changes in the program if it becomes desirable to accelerate the pace of construction of additional parking areas.

### Recommendations

1. Parking lots and structures shall be constructed on land presently owned or to be acquired by the University.  
(Explanatory note: The two Committees are in agreement that it would be desirable if the University could provide both the land and the construction necessary for an adequate parking program. Since this does not appear to be possible, land now owned or purchased for campus expansion should be utilized for parking until it must be used for building sites. This represents a continuation of the present policy.)
2. Each member of the faculty-staff desiring to use parking space on University lots, streets, or drives shall pay an annual registration fee of \$15.00. A faculty-staff member wishing to register a second car shall pay a fee of \$5.00 for that car. Cars in excess of two may be registered on the payment of the \$15.00 fee for each car. Anyone desiring to register a car for less than the full twelve months shall pay a registration fee of \$7.50 per semester, and/or \$3.75 for a Summer Session.  
(Explanatory note: It is intended that the registration fee be voluntary but shall apply uniformly to all members of the faculty-staff who use University land for parking at any time during the year. The \$15.00 fee would cover the full twelve months. Staff on less than nine-month appointment would pay a \$7.50 semester fee, or \$3.75 for the Summer Session only. In addition to the right to park in unrestricted University spaces, the registration fee would entitle a faculty-staff member to a motor vehicle registration card which would entitle the member to ride free on the Illi-Bus anywhere along the Illi-Bus route.)
3. No motor vehicle shall be registered unless the certificate of title is in the name of an employee or the spouse of an employee of the University.  
(Explanatory note: There was some feeling among the Committees that University registration should be restricted to motor vehicles owned by the University employee with specific exceptions being made only in exceptional cases. It was deemed that this policy would afford better control of University parking spaces to insure that their use would be restricted to faculty-staff. However, a majority felt that exceptional cases would be rare and that vehicles owner-registered in the name of an employee or spouse should be entitled to University registration.)
4. Any full time faculty-staff member may rent a parking space (on a first come-first served basis) for the hours of 6:00 a.m. to 6:00 p.m. Monday through Friday and 6:00 a.m. to 12:00 noon on Saturday for an annual rental fee of \$45.00 (in addition to the annual \$15.00 registration fee).  
(Explanatory note: This rental would be on a voluntary basis and designed for the convenience of those who desire such a space and are willing to pay the additional fee. Such spaces would not be reserved during the evening hours (after 6:00 p.m.) and would be available after 6:00 p.m. to faculty-staff who have paid the University registration fee. No charge would be made to faculty-staff for parking in such spaces during the evening hours. It is anticipated on the basis of available spaces, that faculty-staff who return to their offices or laboratories to work after 6:00 p.m. will find a space in a University lot, or on a University street or drive, reasonably close to such offices or laboratories. Any faculty-staff member who, on the effective date of this program, is paying for a rental space will be assured that the space will continue to be assigned to him.)
5. Faculty-staff members and University departments having special need may rent a parking space by special permission of the Executive Vice-President and Provost on a twenty-four hour yearly basis for an annual rental fee of \$90.00 (in addition to the annual \$15.00 registration fee for individuals, or a total of \$105.00 per year for individuals and departments).  
(Explanatory note: This provision is for those special cases in which the Provost determines that the interests of the University require that a special parking space be reserved on a twenty-four hour basis for an individual or department. A department would include such parking fee in its operating budget in the same manner that it provides for the other operating expenses of the motor vehicle.)

6. All parking spaces in service areas will be metered on a short-term basis restricted to faculty-staff and official visitors on University business.  
(Explanatory note: This provision is for rapid turnover use in scattered areas around the campus as is now provided on a no charge basis.)
7. All unrestricted parking spaces on University-owned streets and drives shall be metered, as the demand requires, on an 8:00 a.m. to 5:00 p.m. basis and that the use of such metered spaces be restricted to the use of faculty-staff and visitors on the basis of current motor vehicle parking regulations initially, and thereafter as the needs of the faculty-staff may require.  
(Explanatory note: Some portions of University streets and drives are restricted to traffic flow only and parking is not permitted. Parking, in accordance with published regulations, is permitted on other portions of streets and drives. In order to control parking use in areas of high demand and to encourage turnover rather than all-day use, it is proposed to meter such spaces on a five cents per hour, five-hour limit, for use between 8:00 a.m. and 5:00 p.m. As the campus expands and faculty-staff parking needs increase in certain areas, the regulations may be changed to restrict such spaces to the use of faculty-staff. Initially, however, it appears that current regulations are adequate in those areas of minimal faculty-staff demand. It is anticipated that the metering of spaces on University streets and drives will be gradual as the need appears.)
8. The present Illi-Bus routes shall be expanded and extended to provide transportation to all parts of the campus from parking lots. University motor vehicle registration identification cards furnished to faculty-staff will serve as a pass in lieu of a cash fare.  
(Explanatory note: As the campus expands and new classroom and laboratory buildings are constructed in the center of campus, it is anticipated that there will be increased need for intra-campus bus transportation for faculty-staff from parking lots which are not within convenient walking distance of offices, classrooms, and laboratories, and for cross-campus trips during the working day. An expansion and extension of Illi-Bus service for these needs seems mandatory. The registration fee for faculty-staff will permit this to be done on a realistic basis as the need requires.)
9. The University will acquire as rapidly as feasible the needed sites and construct a parking structure or structures adjacent to the center campus area.  
(Explanatory note: The need for additional parking spaces adjacent to the present center area of the campus is acute. If the other proposals are adopted it is anticipated that the income will permit an immediate start on providing additional spaces. While there are many practical and financial problems involved in acquiring an adequate site and constructing parking structures, if a reasonable amount of income for such construction is assured steps should be taken to provide such additional spaces.)
10. The University will assume all the costs of administering the parking program to the end that all funds which are paid in the form of registrations, rentals, or meter income will be available to finance the bonds required to build the structures recommended in paragraph 9, to prepare other land for parking use, and to maintain existing lots.
11. The policies adopted and the specific parking and traffic regulations incorporated by reference herein will be re-evaluated after not more than six months of the operation of the revised program and periodically thereafter, and changes recommended to make more effective use of the parking lots and streets.
12. The Committee on Motor Vehicle Regulations shall make recommendations for implementation of the foregoing program with respect to its administration.

The report of the Committees recognizes that its proposals may not be adequate to meet satisfactorily the present and future parking space needs on this campus; and also that individual opinions differ as to how such a complex and costly undertaking should be approached to serve the needs of all segments of the University community. Having considered carefully all present and foreseeable future aspects of the problem, it is believed that the proposals offer the most practical and least expensive approach to the problem at the present time.

It will be noted that the proposals do not deal with the question of student

cars on campus, which is considered to be a separate problem. Only an approximate 20 per cent of the students have registered motor vehicles on campus. The primary concern has been to provide adequate services for the total student body, including the 80 per cent who do not have motor vehicles on campus. As the essential needs of the faculty-staff are met for serving the total student body, we will turn to the subsidiary problem of providing parking facilities to the extent possible for the 20 per cent of the student body who have motor vehicles on campus.

Although the Committees believe that all the major policy decisions are included in its recommendations, they recognize that a number of administrative details remain to be determined before the program may be put into operation. Recommendations for the resolution of these questions may appropriately be made by the Committee on Motor Vehicle Regulations, as has been recommended, and the Campus Planning Committee will not be involved in their consideration.

On motion of Mr. Johnston, the foregoing recommendations were approved, and authority was given as requested.

#### AMENDMENTS OF UNIVERSITY OF ILLINOIS STATUTES

(26) The University Senates have proposed amendments of Sections 38, Tenure of Academic Staff, and 39, Academic Freedom, of the University of Illinois Statutes and, collaterally, of Section 6, University Senates, which would necessarily be affected by any changes made in Sections 38 and 39. The Urbana-Champaign Senate approved the proposed amendments on June 13, 1961; the Chicago Undergraduate Division Senate on December 5, 1961, approved but with some modifications the amendments proposed by the Urbana-Champaign Senate; and the Medical Center Senate on April 4, 1962, approved, with minor changes, the amendments as modified and approved by the Chicago Undergraduate Division Senate.

The University of Illinois Statutes provide:

Section 6 (k), in part, that "each Senate may propose amendments to these Statutes through the Senate Coordinating Council to the President and the Board of Trustees as provided in Section 65."

Section 65 provides, in part, that ". . . Any proposed amendment shall be referred to the Senate Coordinating Council for its consideration and for transmission to the other Senates for action. If the three Senates agree, the amendment shall be presented to the President for transmission to the Board of Trustees. *If the Senates do not concur in the proposed amendment, the Coordinating Council shall endeavor to promote agreement of the three Senates; where agreement is not effected, the Council shall transmit its recommendations to the President for submission to the Board of Trustees. Any Senate objecting to a proposed amendment may record its objections by forwarding them to the Board of Trustees, through the President. . . .*" (italics supplied)

Accordingly, and pursuant to the authority vested in it by Section 65, the Senate Coordinating Council endeavored to promote agreement of the three Senates on the proposed amendments which was not successful; and pursuant to the further authority vested in it by Section 65, the Senate Coordinating Council transmitted to the President of the University, for submission to the Board of Trustees, its recommendations for amendments to Sections 6, 38, and 39 of the University Statutes.

On April 2, 1963, I transmitted to all members of all three Senates the complete report of the Senate Coordinating Council presenting its recommendations for amendments to the Statutes, stating that to provide an opportunity for any of the Senates to register an objection to the recommendations (as provided for in Section 65, quoted above), I would defer presentation of the subject to the Board of Trustees until after the June meetings of the Senates. The Senates have offered no objections. On the contrary, the Urbana-Champaign Senate at a meeting on April 15, 1963, unanimously adopted a resolution:

" . . . that the Champaign-Urbana Senate approves and endorses the recommendation of the Senate Coordinating Council for revision of Sections 6, 38, and 39 of the University Statutes and urges their adoption by the Board of Trustees.

The Medical Center and Chicago Undergraduate Division Senates have offered no objections to the recommendations of the Senate Coordinating Council.

I now present the Senates' recommendations to the Board of Trustees for study. At a subsequent time, I shall submit my recommendations with regard to the proposals. For purposes of comparison they are submitted in parallel form showing the current statutory provisions and the recommendations for proposed amendments.

The President's report and the recommendations of the Senate Coordinating Council were received for record, and were referred to the Committee on General Policy for further consideration and advice to the Board.

#### Amendments of University of Illinois Statutes

Proposed by the University Senates and the Senate Coordinating Council

The present University of Illinois Statutes were adopted by the Board of Trustees January 16, 1957, and became effective September 1, 1957. The following amendments have been proposed by the Urbana-Champaign, Medical Center, and Chicago Undergraduate Division Senates, and the Senate Coordinating Council. The amendments were initiated by the Urbana-Champaign Senate and were modified by the two Chicago Senates, after which the Senate Coordinating Council submitted its recommendations.

#### PRESENT STATUTORY PROVISIONS

Recommended deletions are indicated by brackets [ ].

Sec. 6. (1) Each Senate shall elect annually by ballot from its membership a Committee on Committees [consisting of not fewer than three persons. Not more than one member of this Committee of the Urbana-Champaign Senate shall be from any one college or school]. Upon nomination made by this Committee after consultation with the President, in the case of the Urbana-Champaign Senate, [and] with the Vice-President in Charge [of the Chicago Professional Colleges or with the Executive Dean of the Chicago Undergraduate Division, respectively,] each Senate shall elect committees on educational policy, academic freedom, University calendar, the library, student discipline, student affairs, and such other standing committees as it may from time to time authorize.

The chairmen of the Senate committees on educational policy, academic freedom, library, and of such other committees as the three Senates may designate, shall be members of the corresponding committees of the other Senates.

#### RECOMMENDATIONS OF THE SENATE COORDINATING COUNCIL

Additions are indicated by italics.

Sec. 6. (1) Each Senate shall *establish rules of procedure in accordance with which it shall* elect annually by ballot from its membership a Committee on Committees. Upon nomination made by this Committee after consultation with the President, in the case of the Urbana-Champaign Senate, or with the Vice-President in Charge, *in the case of each Chicago campus Senate*, each Senate shall elect committees on educational policy, academic freedom and tenure, University calendar, the library, student discipline, student affairs, and such other standing committees as it may from time to time authorize. *The Committee on Academic Freedom and Tenure at each campus shall be elected by the respective Senate upon nomination made in the manner hereinbefore described in this paragraph and shall consist of at least five members of the faculty other than deans or directors, with no more than two members from any one college, school, institute, division, or other administrative unit.* The chairmen of the Senate committees on educational policy, academic freedom and tenure, library, and of such other committees as the three Senates may designate, shall be members of the corresponding committees of the other Senates.

*\* (m) The academic staff (i.e., those having the rank of instructor or higher rank) at each campus shall also elect a*

*Faculty Advisory Committee of nine members of such academic staff, three of whom shall be elected each year for three-year terms. No more than two members, or in the case of the Medical Center no more than three, from any one college, school, institute, division, or other administrative unit of the University shall serve on the Committee at the same time. The Committee shall each year elect its own chairman at its first meeting held after the annual election of members. The Committee shall adopt its rules of procedure, copies whereof shall be sent to all members of the academic staff and to the President. The Committee shall make such annual reports to the President, the Senate, and the faculty as it deems appropriate.*

*The functions of the Committee shall be to provide for the orderly voicing of suggestions for the good of the University, for affording added recourse for the consideration of grievances, and for furnishing a channel for direct and concerted communication with administrative officers of the University, its colleges, schools, institutes, divisions, and other administrative units on matters of interest or concern to the academic staff or any member of it.*

*In performing its functions, the Committee upon the request of the President, or any member of the academic staff, or upon its own initiative, shall make such investigations and hold such consultations as it may deem to be in the best interest of the University. A member of the academic staff shall be entitled to a conference with the Committee or with any member of it on any matter properly within the purview of the Committee.*

*\* While the faculty advisory committee is provided for here in Sec. 6 for convenience, it should be noted that it is not a Senate committee but a general University committee on each campus.*

*Those who at the date this section of the University Statutes becomes effective are already members of an established Faculty Advisory Committee shall be the first members of the Committee as established under this section of the University Statutes, with terms coterminous with those for which they were elected.*

*Any person of the rank of instructor or higher rank may be nominated as a*

((m)) Any action of any Senate involving matters of University-wide policy, or proposals to amend the University Statutes, shall be submitted by the Senate Coordinating Council to the other Senates for consideration and recommendation.

#### TENURE OF ACADEMIC STAFF

Sec. 38. (a) Unless otherwise provided in these Statutes (and in the absence of some special written agreement approved by the President of the University with the consent of the appointee) the tenure for the various members of the academic staff shall be as stated herein, except that first appointments or temporary appointments may be made for shorter periods.

(1) An appointment as professor or associate professor shall be for an indefinite term.

(2) An appointment as assistant professor, or to the administrative staff, shall be for a period not longer than two years from September 1 of the first year of the legislative biennium.

(3) Appointments to lower ranks shall be for not more than one year.

(b) The appointment of any person for a definite term does not carry any guarantee or implication that the Board of Trustees will renew the appointment at its termination, even though the appointee may have discharged his duties satisfactorily. Any appointment, if accepted, must be accepted with this stipulation.

(c) Tenure may be terminated by (1) honorable retirement; (2) acceptance of resignation; (3) [discharge] for cause.

(d) [Cause for discharge shall consist of conduct seriously prejudicial to the University through deliberate infraction of law or commonly accepted standards of morality, neglect of duty,

*Committee member by a petition signed by three members of the academic staff and filed with the Clerk or Secretary of the Senate prior to April 1 of each year. The Clerk of the Senate shall conduct the election by University mail as soon as possible thereafter. All members of the academic staff of the rank of instructor or higher rank may vote, and the three nominees receiving the highest number of votes, who are then eligible for membership on the Committee under the foregoing provisions, shall be declared elected.*

(n) Any action of any Senate involving matters of University-wide policy, or proposals to amend the University Statutes, shall be submitted by the Senate Coordinating Council to the other Senates for consideration and recommendation.

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(b) The appointment of any person for a definite term does not carry any guarantee or implication that the Board of Trustees will renew the appointment at its termination, even though the appointee may have discharged his duties satisfactorily. Any appointment, if accepted, must be accepted with this stipulation.

(c) Tenure may be terminated by (1) honorable retirement; (2) acceptance of resignation; (3) *dismissal* for due cause.

(d) *Due cause for dismissal shall be deemed to exist only if, with all due regard for the freedoms and protections provided for in Sec. 39 of these Statutes, a faculty member's conduct*

inefficiency or incompetency. The enumeration of causes for discharge shall not be deemed exclusive, and the Board of Trustees reserves the power to discharge for other causes, but it is to be distinctly understood that this power will be exercised only under exceptional circumstances and then only for conduct which is clearly prejudicial to the best interests of the University.]

(c) [An appointee on definite tenure shall not be removed before the expiration of his term of service, nor shall an appointee on indefinite tenure be removed, without in either instance first having been presented with a written statement of the charges against him, which shall be sufficiently specific reasonably to inform him of their nature and to enable him to present his defense thereto. Charges shall be preferred by the President, or on his authority, and shall be filed with the Secretary of the Board of Trustees. A copy of the charges shall be transmitted to the appointee either personally or shall be mailed to the appointee at his last known post office address by registered mail within 15 days after they have been preferred. Within 15 days after such service of a copy of the charges, the appointee may file with the Secretary of the Board a written request for a hearing before the Board of Trustees. Notice of the time and place of the hearing, which shall be not less than 20 days after the date of the appointee's request, shall be served upon the appointee either personally or by registered mail. The date of the hearing shall be no less than 15 days from the date of the receipt of the notice of hearing by the appointee. The appointee shall have the right to appear at the hearing, with counsel, if he desires, to reply to the charges and to present evidence in his behalf. The Board shall not be bound by formal or technical rules of evidence in hearing and deciding the case. Prior to the preferment of charges, or while charges are pending, the appointee may be suspended by the President pending final decision of the Board upon the charges. In designating the effective date of dismissal or requested resignation, the Board shall give due consideration to the time reasonably required for the adjustment of the staff member's personal affairs.]

is found to demonstrate clearly and convincingly either that: (1) he has been grossly neglectful of, or grossly inefficient in, the performance of his University duties; or that: (2) he can no longer be relied upon to perform his University duties and functions in a manner consonant with professional standards of competence and responsibility.

(e) *Proceedings seeking the dismissal before the expiration of his term of appointment of an appointee to the academic staff who is on definite tenure or of an appointee to the academic staff who is on indefinite tenure shall comply with the procedures described in the following provisions of this section:*

(1) *Charges. When it shall appear to the President that cause for the dismissal of an appointee may exist, he shall consult with the Faculty Advisory Committee. The President, after such consultation, shall determine whether dismissal proceedings should be instituted. Charges looking to dismissal shall be preferred by statement in writing by the President or on his authority and shall be filed with the Clerk or Secretary of the Senate within thirty days after the consultation with the Faculty Advisory Committee. The statement shall be sufficiently specific reasonably to inform the appointee of the nature of the charges and enable him to present his defense to them.*

(2) *Service. The Clerk or Secretary of the Senate shall cause a copy of the statement of the charges and a copy of Sections 38 and 39 of the Statutes to be delivered to the appointee personally or mailed to him at his last known post office address by registered mail within five days after they have been filed with the Clerk or Secretary of the Senate.*

(3) *Request for Hearing. Within fifteen days after such service of a copy of the statement of charges, the appointee may file with the Clerk or Secretary of the Senate a request for a hearing before the Committee on Academic Freedom and Tenure of the appropriate campus; and within ten days after filing such request the appointee shall file with the Clerk or Secretary of the Senate a detailed written answer to the statement of grounds for dismissal. The Clerk or Secretary of the Senate shall promptly transmit the statement of charges, the*



answer thereto, and the request for a hearing to the chairman of the Committee on Academic Freedom and Tenure, and copies of the answer and request for a hearing to the President.

(4) *Notice of Hearing.* Notice of the time and place of the hearing before the Committee on Academic Freedom and Tenure, which hearing shall be not less than twenty days after the filing of the appointee's request, shall be delivered on the same date to the appointee and the President either personally or by registered mail. The date of the hearing shall be not less than fifteen days from the date of such delivery or of such mailing of the notice of hearing.

(5) *Hearing.* At the time and place fixed the Committee on Academic Freedom and Tenure shall hold a closed hearing on the charges. No member of that Committee shall sit in a case that involves a member of his department, school, institute, or division, whichever represents the smallest administrative unit. Three members of the Committee shall constitute a quorum for the conduct of the hearing, and the chairman of the Committee may appoint another member of the Committee to preside over the hearing. If vacancies occur, the Committee on Committees shall appoint as many members as are necessary to constitute a quorum. Except as hereinbefore or hereinafter provided the hearing shall be conducted according to such rules as the Committee may from time to time establish. The Committee shall not be bound by technical rules of evidence, but all findings, conclusions, and recommendations of the Committee shall be supported by, and be in accord with substantial evidence. The appointee shall be entitled to be present at all sessions of the Committee when evidence is being received and to have with him an adviser of his own choice who may act as counsel. Likewise the President or some person designated by him, together with counsel if the President desires counsel, shall be entitled to be present at all sessions of the Committee when evidence is being received. Each party shall have the right within reasonable limits to question witnesses and when all the evidence has been received to make an argument in support of its position, either in person or by counsel. A full stenographic transcript shall be made of the hearing unless both parties

agree to the making of a record in a briefer form.

(6) *Findings, Conclusions, and Recommendations.* Following the conclusion of the hearing the Committee shall promptly make its explicit findings of fact on each charge, its conclusions, and its recommendations. Reasonable opportunity shall be given to each party to file a written statement setting forth objections to these findings, conclusions, and recommendations and setting forth the grounds for such objections. A copy of one party's objections shall be given to the other party. The originals of the findings, conclusions, and recommendations, and of the hearing shall be forwarded to the President and copies shall be promptly transmitted to the appointee.

If ultimately the appointee requests a hearing before the Board of Trustees, the originals or copies of statement of charges filed by the President or on his authority with the Clerk or Secretary of the Senate, the request for a hearing, the answer to the statement of charges, the notice of the time and place of hearing, the transcript or briefer record of the hearing, any exhibits, received in evidence, the findings, conclusions, and recommendations of the Committee, and any objections to such findings, conclusions, and recommendations, shall constitute the record before the Committee on Academic Freedom and Tenure to be submitted to the Board. The record shall be available to the Board of Trustees, to counsel for the appointee, and to counsel for the University, but shall not be available to other persons prior to the hearing before the Board. If the Committee recommends that charges be dropped and the President concurs, the case shall be considered closed.

(7) *Hearing by Board of Trustees.* Within 30 days after transmittal of the findings, conclusions, and recommendations of the Committee on Academic Freedom and Tenure, or, if the appointee filed no request for a hearing before that Committee, within fifteen days after the expiration of the period specified in paragraph (3) for the filing of such a request, the President may cause the charges to be filed with the Secretary of the Board of Trustees along with the findings, conclusions, and recommendations, if any, of the Committee on Academic Freedom and Tenure and the record of the hearing before the Committee, if one

was held. Notice of such filing of charges shall be delivered to the appointee personally or shall be mailed to him by the Secretary of the Board of Trustees by registered mail within five days after such filing. Within ten days after such delivery or mailing of notice of the filing of the charges with the Secretary of the Board of Trustees, the appointee may file with the Secretary of the Board a written request for a hearing before the Board of Trustees. Notice of the time and place of the hearing, which hearing shall be not less than twenty days after the date of the filing of the appointee's request, shall be delivered to the appointee personally or mailed to him by registered mail. The date of the hearing shall be not less than fifteen days from the date of such delivery or mailing of the notice of hearing to the appointee. The appointee shall have the right to appear at the hearing, with counsel, if he desires, to reply to the charges and to present evidence in his behalf. Counsel for the University shall represent the University administration at the hearing and shall have the right to present evidence in support of the charges. The Board shall not be bound by technical rules of evidence in hearing and deciding the case. The Board will give due consideration to the findings, conclusions, and recommendations of the Committee on Academic Freedom and Tenure, and in all cases where a report was made by the Committee will invite a member of the Committee designated by its chairman to attend the hearing before the Board and afford him an opportunity to make a statement.

If the Board concludes that the appointee should be dismissed or asked to resign, in designating the effective date of dismissal or requested resignation, the Board will give due consideration to the time reasonably required for the adjustment of the appointee's personal affairs. If a hearing is requested before the Board of Trustees, the Committee on Academic Freedom and Tenure may make at its discretion an appropriate report to the Senate.

(8) Suspension. An appointee may be suspended only under exceptional circumstances and with pay subject to the following provisions: a) The President may suspend before the filing of any charges only after giving notice to the chairman or, in the absence of the chairman from the Uni-

[(f) Any member of the faculty of the University, who claims that termination of his services would violate principles of academic freedom, shall have the right to a hearing before the Committee on Academic Freedom of the appropriate Senate prior to a hearing, if any, before the Board of Trustees. Such hearings shall be conducted in accordance with established rules of procedure. The Committee shall make findings of fact and recommendations to the President of the University. The several Committees may, from time to time, establish their own rules of procedure.]

#### ACADEMIC FREEDOM

Sec. 39 (a) It is the policy of the University to maintain and encourage full freedom, within the law, of inquiry, discourse, teaching, research, and publication and to protect any member of the academic staff against influences, from within or without the University, which would restrict him in the exercise of these freedoms in his area of scholarly interest. The right to the protection of the University shall not, however, include any right to the services of the University's Legal Counsel or his assistants in any governmental or judicial proceedings in which the academic freedom of the staff member may be in issue.

versity, to some member of the Faculty Advisory Committee that he believes that cause for dismissal may exist; b) If the President suspends after so giving notice to the chairman or some member of the Faculty Advisory Committee, or during consultation with the Faculty Advisory Committee, such suspension shall terminate within twenty days after that Committee has made its recommendations to the President unless the President initiates dismissal proceedings by the filing of charges for dismissal within that twenty-day period; and, c) If the President initiates dismissal proceedings by filing charges for dismissal, he may suspend the appointee, or may extend a previous suspension of the appointee, until the termination of those proceedings, or until the effective date of dismissal if the proceedings result in dismissal.

(9) *Publicity.* So far as possible public statements about a case under consideration should be avoided until completion of the proceedings.

#### ACADEMIC FREEDOM

Sec. 39 (a) It is the policy of the University to maintain and encourage full freedom, within the law, of inquiry, discourse, teaching, research, and publication and to protect any member of the academic staff against influences, from within or without the University, which would restrict him in the exercise of these freedoms in his area of scholarly interest. The right to the protection of the University shall not, however, include any right to the services of the University's Legal Counsel or his assistants in any governmental or judicial proceedings in which the academic freedom of the staff member may be in issue.

(b) In his role as citizen, the faculty member has the same freedoms as other citizens, without institutional censorship or discipline, although he should be mindful that accuracy, forthrightness, and dignity befit his association with the University and his position as a man of learning.

(c) These freedoms do not include the right to advocate the overthrow of our constitutional form of government by force or violence.

(d) A staff member who believes that he does not enjoy the academic freedom which it is the policy of the University to maintain and encourage, shall be entitled to a hearing, on his written request, before the Committee on Academic Freedom of the appropriate University Senate.

(b) In his role as citizen, the faculty member has the same freedoms as other citizens, without institutional censorship or discipline, although he should be mindful that accuracy, forthrightness, and dignity befit his association with the University and his position as a man of learning.

(c) These freedoms do not include the right to advocate the overthrow of our constitutional form of government by force or violence.

(d) A staff member who believes that he does not enjoy the academic freedom which it is the policy of the University to maintain and encourage, shall be entitled to a hearing, on his written request, before the Committee on Academic Freedom and Tenure of the appropriate University Senate. *Such hearing shall be conducted in accordance with established rules of procedure. The committee shall make findings of facts and recommendations to the President and at its discretion may make an appropriate report to the Senate. The several committees may from time to time establish their own rules of procedure.*

#### COMPTROLLER'S REPORT OF CONTRACTS

(27) The Comptroller's report of contracts executed during the period May 1 to 31, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
State of Illinois Local Records Commission	Survey and appraise records series in Illinois local and appellate courts	\$ 4 000 00	May 1, 1963
United States Air Force AF-AFOSR-107-63A	Provide equipment for research entitled "charged colloidal sized particles for propulsion"	360 00	May 1, 1963
United States Air Force AF-AFOSR-328-63	Physics of solids	80 478 00	October 1, 1963
United States Air Force AF 29(601)-585	Development of a model to simulate free field ground motions	100 000 00	February 16, 1963
United States Air Force AF 30(602)-3046	Submillimeter wave receiver techniques	35 000 00	March 1, 1963
United States Army DA-31-124-ARO(D)-108	Exploratory basic research in physical sciences	21 500 00	July 1, 1963
United States Army DA-49-193-MD-2410	Transmission of the common cold to volunteers under controlled conditions	63 114 00	April 1, 1963
United States Department of Agriculture 12-05-300-53	Agricultural market planning and education in resource development programs	25 000 00	April 25, 1963
United States Department of Defense OCD-OS-63-61	Conduct a course covering Office of Civil Defense standard fallout shelter analysis curricula plus structural analysis and shelter design	22 500 00	April 22, 1963
United States Department of Health, Education, and Welfare OE-3-12-064	Provide training to improve the qualifications of personnel engaged in or preparing to engage in the counseling and guidance of students in secondary schools	91 040 00	January 2, 1963
United States Department of Health, Education, and Welfare VRA-63-103	Training specialized personnel to work with the deaf	3 400 00	May 6, 1963
United States Navy NObr-89229	Radiolocation directed toward system problems	114 509 00	May 21, 1963

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Navy Nonr-3985 (02)	Biophysical and biochemical studies on electric organs and muscle membranes of fish	\$ 16 500 00	February 1, 1963
The Upjohn Co.	Techniques using synthetic progestogens to control ovulation in domestic animals	2 530 00	June 1, 1963
<i>Total</i>		<u>\$579 931 00</u>	

**Leases**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Business Machines Corp.	One keypunch	\$ 604 80 (annual rental)	April 29, 1963
International Harvester Co.	Rental of farm machinery, four items: \$93.68 to \$812.35	1 692 40 (annual rental)	February and March, 1963
University Place Christian Church	Rental of church organ by School of Music, September 15, 1963, to June 15, 1964	1 750 00 (annual rental)	May 9, 1963
<i>Total</i>		<u>\$ 4 047 20</u>	

**Contract Changes**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Illinois Archaeological Survey	Highway salvage program	\$ 962 96	May 8, 1963
Moorman Manufacturing Co.	Poultry nutrition	2 600 00	April 18, 1963
Research Council on Riveted and Bolted Structural Joints of the Engineering Foundation	Behavior of riveted and bolted structural joints	23 000 00	April 30, 1963
United States Air Force AF 29 (601)-5007	Analytical study of tunnels in rock	15 000 00	April 17, 1963
United States Air Force AF 33 (616)-6176	Interaction of dissolved interstitial atoms with dislocations	22 500 00	April 15, 1963
United States Army DA-49-193-MD-2212	Antiradiation drugs	500 00	May 7, 1963
United States Atomic Energy Commission AT(11-1)-878	Synthetic capacity of irradiated ciliates	3 500 00	April 26, 1963
United States Atomic Energy Commission AT (11-1)-890	Mechanism of radiation-induced addition of tritium to carbon-carbon double bonds	11 000 00	May 22, 1963
United States Atomic Energy Commission AT (11-1)-1198	Use charge for portion of Materials Research Laboratory used in commission supported research	85 000 00	April 17, 1963
United States Atomic Energy Commission AT (11-1)-1199	Studies of rainout of radioactivity in Illinois	16 000 00	May 16, 1963
United States Navy NObsr-85243	Wide aperture direct finder system	120 050 00	February 11, 1963
United States Navy Nonr-1244(00)	Establish program for training in military and disaster medicine	7 990 00	April 15, 1963
United States Navy Nonr-1834 (02)	Development of radio wave direction-finding techniques	460 000 00	May 15, 1963
United States Navy Nonr-2947 (02) (X)	Mechanics of failure in glass fiber reinforced plastics	60 000 00	May 9, 1963
<i>Total</i>		<u>\$828 102 96</u>	

**Adjustments Made in 1962-63 Cost-Plus Contracts**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Twenty-two items: \$112.19 deduct to \$580.00	\$ 1 910 96	April and May, 1963

**Summary**

Amount to be paid to the University.....	\$1 408 033 96
Amount to be paid by the University.....	5 958 16

This report was received for record.

## PURCHASES

(28) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University), and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants, and grants from corporations and other donors, and University revolving funds authorized by law.

*Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One automatic x-ray film processing unit, less trade-in of used unit	Radiology, Chicago	Westinghouse Electric Corp., Chicago	\$9 722 15 delivered
Twenty time clocks	Research and Educational Hospitals	Simplex Time Recorder, Chicago	2 950 00 delivered
One multi-channel pulse analyzer complete with spectrum stripping and read-in of fractional values of recorded spectra and typewriter (Note: This purchase will be made from both Appropriated Funds, \$8,520.00, and Institutional Funds, \$4,000.00, for a total of \$12,520.00.)	Engineering, Chicago Undergraduate Division	Radiation Instrument Development Lab., Inc., Melrose Park	8 520 00 delivered
Electronic instruments consisting of seven dual trace oscilloscopes, two pulse generators, one signal generator	Engineering, Chicago Undergraduate Division	Tektronix, Inc., Beaverton, Ore. Oscilloscopes	7 528 22 f.o.b. Beaverton, Ore.
		Hewlett-Packard Co., Inc., Palo Alto, Calif. Generators	2 550 00 f.o.b. delivered (10 078 22)
One electrophorator, with extra tank, two racks and lid and coils for extra tank, to be used in research on protein structure in biochemistry	Chemistry and Chemical Engineering	Gilson Medical Electronics, Middleton, Wis.	2 650 00 f.o.b. delivered
One freeze-thaw unit complete with stainless steel cabinet, controls and $\frac{1}{2}$ horsepower refrigeration unit	Civil Engineering	Logan Refrigeration Co., Logan, Utah	2 889 17 f.o.b. delivered
Nine stereoscope folding mirrors, including 3x magnification, paralax bars, and wooden carrying cases	Civil Engineering	Wild Heerbrugg Instruments, Inc., Port Washington, N.Y.	4 194 00 f.o.b. delivered
One monochromator, double prism, range 200 millimicrons to 20 microns, with slits and illumination optics with accessories to include two sets of dense flint glass prisms, two sets of sodium chloride prisms in mounting cages, and one optical bench for detectors	Mining, Metallurgy, and Petroleum Engineering	W. H. Kessel & Co., Chicago	4 210 00 f.o.b. delivered and installed
3,600 tons crushed rock delivered to Dixon Springs Station during the period July 1, 1963, through June 30, 1964, to be used for various jobs around the Dixon Springs Station	Dixon Springs Station	Southern Illinois Stone Co., Buncombe	8 460 00 f.o.b. delivered
Television monitoring system complete with eight picture monitors, mounting brackets, speakers, and audio-visual receiver with station selector for use in the University's Instructional Television program	Instructional Television	Visual Electronics Corp., New York, N.Y.	3 564 00 f.o.b. delivered
One conversion kit 7 $\frac{1}{2}$ and 15 fps. field installed	Instructional Television	Ampex Corp., Elmhurst	3 055 00 f.o.b. Redwood City, Calif.
One video head assembly with 5 mil tips			
Yearly affiliation fee for Educational Television Programming Service for the period July 1, 1963, through June 30, 1964, to include videotapes, films, and television recordings to rebroadcast on WILL-TV Channel 12	Television Station	National Educational Television and Radio Center, New York, N.Y.	7 500 00 f.o.b. shipping point

Item	Department	Vendor	Cost
Eight issues, 1,300 copies per issue, <i>Journal of English and Germanic Philology</i> , trim size 6 in. by 9 in., approximately 192 pages per copy (Note: This purchase will be made from both Appropriated Funds, \$8,000.00, and Institutional Funds, \$7,928.00, for a total of \$15,928.00.)	University Press	George Banta Co., Chicago	\$ 8 000 00 f.o.b. delivered
Print and bind approximately eight issues of <i>Illinois Studies in the Social Sciences</i> during the period July 1, 1963, through June 30, 1965, 1,200 copies per issue, approximately 160 pages per copy	University Press	Pantagraph Printing & Stationery Co., Bloomington	17 212 80 f.o.b. delivered
Print and bind approximately six issues of <i>Illinois Studies in Language and Literature</i> during the period July 1, 1963, through June 30, 1965, 1,100 copies per issue, approximately 300 to 600 pages per copy, trim size 6 in. by 9 in.	University Press	Technipress, Inc., Washington, D.C.	13 435 80 f.o.b. delivered
Print and bind approximately four issues of <i>Illinois Biological Monographs</i> during the period July 1, 1963, through June 30, 1965, 1,000 copies per issue, 150 to 400 pages per copy, trim size 6½ in. by 10 in.	University Press	Technipress, Inc., Washington, D.C.	10 319 80 f.o.b. delivered
Furnish and install 524 auditorium chairs with tablet arms in lecture rooms in the Physics Building, Stage II	Physical Plant, Architectural Division	Noname, Inc., Galesburg	14 671 32 f.o.b. delivered and installed
Furnish and install 292 upholstered auditorium seats with tablet arms in lecture room in Altgeld Hall, and removal of existing chairs	Physical Plant Storeroom	S. Buckman Furniture & Supply Co., Spring Valley	8 678 23 f.o.b. delivered and installed
90,000 gallons of liquid propane delivered into bulk storage containers, and 40,000 pounds of liquid propane delivered in 100 pound cylinders, including fourteen 500 water gallon vessels, and service regulators required for proper pressure delivery to gas burning appliances and laboratory apparatus, for the period July 1, 1963, through June 30, 1965	Various Departments	Petrolane Chief Gas Service, Inc., Urbana Bulk Gas Pyrofax Gas Corp., Urbana Cylinder Gas	8 721 00   1 960 00 (10 681 00)
Repair of damaged rotating element for Model 3HMTA-8 Ingersoll Rand boiler feed pump and will be available as a spare element for emergency replacement in any of the four boiler feed pumps now installed at the Abbott Power Plant (the previous spare element was put into service as a result of a recent breakdown)	Physical Plant	Ingersoll-Rand Co., Chicago	5 790 00 f.o.b. Chicago

#### Purchases from Institutional Funds

One gas chromatograph and accessories	Chromatography, Graduate Research, Chicago	Research Specialties Co., DesPlaines	\$3 415 50 delivered
One vacuum evaporator and accessories for freeze-drying tissues and drying spectrographic film	Histology, Chicago	Kinney Vacuum Division (New York Air Brake Co.), La Grange	2 540 70 f.o.b. Boston, Mass.
One nine-inch image amplifier with cine television attachments, less trade-in of x-ray generator, tube, table, and controls	Medicine, Chicago	Pickler X-Ray Corp., Chicago	55 800 00 delivered
One double wall laboratory sterilizer, 16 in. by 16 in. by 24 in.	Preventive Medicine, Chicago	Wilmot Castle Co., Rochester, N.Y.	3 405 00 delivered
One automatic refrigerated centrifuge with rotor	Blood Bank, Chicago	Fisher Scientific Co., Chicago	3 175 00 delivered
500,000 primidone tablets; this is a year's supply of the tablets and anti-convulsant drug used in the treatment of epilepsy	Pharmacy Stores, Chicago	Ayerst Laboratories, Chicago	13 290 00 delivered



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Printing of Congress Circle Union Building Revenue Bonds	Illini Union, Chicago Undergraduate Division	Northern Bank Note Co., Chicago	\$3 774 63 delivered
Linen service for food service departments at the Chicago campuses beginning July 1, 1963, through June 30, 1965	Union Building and Residence Hall Food Service, Medical Center, and Food Service, Chicago Undergraduate Division	American Linen Supply Co., Chicago	13 434 00
Approximately 84,000 tons of coal screenings to be used by the Medical Center Steam Company plant during the period beginning July 1, 1963, and ending June 30, 1965	Physical Plant	Crerar Clinch Coal Co., Chicago	656 040 00 delivered
Furnish labor and materials to erect one machine shed, pole-frame type, 42 ft. wide and 70 ft. long, on the Allerton Farm No. 4	Agricultural Economics	Moore Farm Building Co., Charleston	3 769 00 f.o.b. delivered
One sterilizer, laboratory, steam, approximately 20 in. by 20 in. by 36 in., high-vacuum, rapid, with programming-automatic controls (for sterilization of experimental animal diets in a germ-free laboratory)	Animal Science	American Sterilizer Co., Chicago	6 465 00 f.o.b. delivered
One 400-channel analyzer including IBM automatic "Read-Out" type-writer with associated controls (this equipment is compatible with existing instrumentation of the K40 whole body scintillation counter which will provide automatic recording of data; reports of animal tissue content will be available approximately twelve months earlier than through the manual counting system presently employed)	Animal Science	Radiation Instrument Development Laboratory, Inc., Melrose Park	9 497 50 f.o.b. delivered
Furnish and install twenty farrowing units, each unit to consist of one sow feeder, one creep feeder, one self-washing nursery waterer, one self-washing sow waterer with lid, slotted floor, and mounting stands	Animal Science	Big Dutchman of Illinois, Lincoln	3 824 78 f.o.b. delivered and installed
Furnish and install one automatic feeding unit complete with hopper motor, time clock, trough, chain, and necessary equipment for a completely mechanized feeding system			
Twenty existing farrowing units to be traded in on the above equipment			
Four lots (total 617 tons) wheat and/or oat straw	Animal Science Dairy Science Veterinary Clinical Medicine	Clyde Crawford, Villa Grove H. B. Sanderson, Tuscola Roy E. Rigdon, Ridge Farm Ralph Traxler, Jr., LaPlace	2 085 00 4 225 00 1 700 00 2 340 00 (10 350 00) f.o.b. delivered
(Note: This purchase will be made from both Appropriated Funds, \$5,042.50, and Institutional Funds, \$5,307.50, for a total of \$10,350.00.)			
Fee for the use of two railway cabooses to transport research equipment and personnel to two remote field stations in Canada from July 6 through July 28, 1963, to conduct a National Science Foundation research program to study the effects of a solar eclipse on atmospheric ionization	Astronomy	The Illinois Central Railroad, Chicago	5 289 82 f.o.b. delivered
Aviation gasoline, 220,000 gallons, 80-87 grade; 265,000 gallons, 91-96 grade; 140,000 gallons, 100-130 grade Aviation turbine fuel, kerosene type, 220,000 gallons To be delivered as required by the University of Illinois-Willard Airport for the two-year period beginning July 1, 1963 (all quantities are estimates)	Institute of Aviation	American Oil Co., Decatur	140 932 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One aircraft, 1963 model, factory new, single engine, complete with navigation and communication equipment, less trade-in of one aircraft, 1949 model, single engine, to be used in the teaching program of the Institute of Aviation	Institute of Aviation	Streator Air Service, Streator	\$ 5 436 00 f.o.b. delivered
One aircraft engine for replacement in DC-3 aircraft, less allowance for trade-in of one aircraft engine	Institute of Aviation	Southwest Airmotive Co., St. Louis, Mo.	5 850 00 f.o.b. delivered
One volumetric fraction collector with turntable for 13 mm. siphons	Botany	Vanguard Instrument Co., La Grange	3 516 00 f.o.b. delivered and installed
One automatic UV analyzer, including recorder having dual beam operation for use with reference cell	Chemistry and Chemical Engineering	Jarrell-Ash Co., Newtonville, Mass.	13 050 00 f.o.b. delivered
One spectrograph, grating, large aperture including two accessory gratings, grating holder, lens attachment, and accessory bar for use in research on bindings and structure of metal complexes in the Department of Chemistry and Chemical Engineering	Chemistry and Chemical Engineering	Applied Physics Corp., Monrovia, Calif.	13 988 00 f.o.b. delivered
One spectrophotometer, recording with range of 1750A to 8000A, accuracy .005 at 1.0 absorption; slide wire assembly, detector cells, hydrogen lamp and 42 rolls of chart paper, to be used in the study of changes of the spectra of proteins and their constituent amino acids in a variety of circumstances	Chemistry and Chemical Engineering	Richardson Manufacturing Co., Springfield	16 835 00 f.o.b. delivered
One vacuum chamber for crossed molecular beam apparatus to be fabricated, tested, and delivered, to be used to perform fundamental research concerning the basic details of chemical reactions by observing isolated reactive collisions in a vacuum	Chemistry and Chemical Engineering	Perkin-Elmer Corp., Norwalk, Conn.	18 972 00 f.o.b. delivered
One spectrophotometer, infrared, double beam dual grating, automatic recording with spare parts and fifty boxes recording paper, less trade-in of an obsolete infrared spectrophotometer	Chemistry and Chemical Engineering	Perkin-Elmer Corp., Norwalk, Conn.	18 972 00 f.o.b. delivered
11,904 pints acetone reagent grade; 8,488 pints methyl alcohol anhydrous reagent; 6,144 pints chloroform reagent; 10,080 lbs. ether anhydrous reagent in one-pound cans, 2,160 lbs. ether USP in five-pound cans; an estimated one-year's supply in the General Chemical Stores, to be shipped on a monthly basis in quantities of one-twelfth of the above amounts	General Chemical Stores	Mallinckrodt Chemical Works, St. Louis, Mo.	12 371 60 f.o.b. delivered
7,000 lbs. acetic acid reagent; 20,000 lbs. hydrochloric acid reagent; 12,000 lbs. nitric acid reagent; 35,000 lbs. sulphuric acid reagent; 8,000 lbs. ammonium hydrochloric acid technical; 4,900 lbs. inhibited muriatic acid; 8,400 lbs. acetic acid glacial; quantities indicate an estimated need for the period July 1, 1963, through June 30, 1965, to be purchased in minimum 20,000 lb. truck load quantities	General Chemical Stores	General Chemical Division, Allied Chemical Corp., Chicago	22 218 55 f.o.b. delivered
2,500 connectors, taper pin printed circuit, with 44-pin contracts	Digital Computer Laboratory	Methode Electronics, Inc., Chicago	9 125 00 f.o.b. delivered
1,000 transistors, germanium mesa type S-166	Digital Computer Laboratory	Texas Instruments, Inc., St. Louis, Mo.	5 750 00 f.o.b. Dallas, Texas
Transistors: 500 type 2N1305 500 type 2N1306 3000 type 2N1308 1000 type 2N1309	Digital Computer Laboratory	Deeco, Inc., Cedar Rapids, Iowa	3 013 50 f.o.b.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
10,000 capacitors, monolithic, layer-build ceramic, 0.47 mfd, a5 volts, plus or minus 20 per cent tolerance	Digital Computer Laboratory	Sprague Electric Co., Chicago	\$ 3 450 00 f.o.b. shipping point
One power supply, D.C., 0-36 volts at 1 amp.; line regulation $\pm 0.0002$ per cent or 10 microvolts; load regulation $\pm 0.0005$ per cent or 10 microvolts; transient response 25 nanoseconds or less; voltage protection and temperature protection complete with indicators	Digital Computer Laboratory	Krohn-Hite Corp., c/o Hugh Marsland & Co., Chicago	2 550 00 f.o.b. Cambridge, Mass.
One spectrophotometer, infrared double beam with one external source optical assembly and one external detector optical assembly, to be used in semi-conductor research on P-N junction lasers	Electrical Engineering	Beckman Instruments, Inc., Lincolnwood	19 044 00 f.o.b. delivered
Components for electronic cursor and automatic readout systems for spinning goniometer receiving system, consisting of: six encoders, incremental, miniature, optical type, negative output polarity; three dual readouts; two power supplies, output-18 volts D.C. and +600 volts D.C., three power supplies, output +12V, -12V, +5V, all D.C.; and two encoders, optical type, negative output polarity, flash to interrogate, direct reading	Electrical Engineering	Wayne-George Corp., Newton, Mass.	11 640 00 f.o.b. delivered
One special goniometer system for use in electrical engineering radiolocation research in conjunction with a U.S. Navy research contract	Electrical Engineering	Adams-Russell Co., Inc., Waltham, Mass.	87 945 00 f.o.b. delivered
1,600 sets (approximately) fifty prints per set Student Personal Data Sheets, 8½ in. by 11 in., as needed during the period July 1, 1963, through June 30, 1965	College of Engineering Placement Office	Interstate Printers & Publishers, Inc., Danville	4 800 00 f.o.b. delivered
Examinations and technical grading service, special graduate record types, for the period July 1, 1963, through June 30, 1965; based on current use plus a 10 per cent enrollment increase, the quantities are estimated as follows: 1,800 aptitude tests, 18 advanced tests, 826 advanced and aptitude tests	Graduate College	Educational Testing Service, Princeton, N.J.	8 262 00 f.o.b. Princeton, N.J.
Print and bind eight issues of <i>Library Trends</i> , approximately 4,500 copies per issue, approximately 96 pages per copy, trim size 6 in. by 9 in.	Graduate School of Library Science	Pantagraph Printing & Stationery Co., Bloomington	16 771 40 f.o.b. delivered
Eight issues, 2,800 copies per issue, University of Illinois <i>Law Forum</i> , approximately 176 pages per issue, trim size 7 in. by 10½ in.	College of Law	Pantagraph Printing & Stationery Co., Bloomington	21 209 20 f.o.b. delivered
Accessory items for Hitachi HU-11 electron microscope: six stereo specimen holders, one tilting and rotating stage with built-in anticontamination devices and new specimen chamber, one Wehnelt cylinder	Mining, Metallurgy, and Petroleum Engineering	Erb & Gray Scientific, La Grange	4 491 32 f.o.b. Los Angeles, Calif.
One special mass spectrometer for analysis of trace impurities in solids, high sensitivity and resolution, with facilities for recording mass spectra or photographic plates as well as electronic recording	Physics	Picker X-Ray Corp., Chicago	86 600 00 f.o.b. delivered
One lathe, plain bed, removable gap, 17 in. by 78 in. centers, 10 ft. 3 in. bed to be used by the Physics Department in the new Materials Research Laboratory	Physics	The R. K. LeBlond Machine Tool Co., Oak Park	8 271 65 f.o.b. Cincinnati, Ohio
One lathe, tool room, high speed, high precision, small capacity, to be used in Materials Research Laboratory	Physics	Hardinge Brothers, Inc., Chicago	7 279 50 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
600,000 liters (estimated) high purity liquid nitrogen (lamp grade 99.9 per cent pure) for the biennium July 1, 1963, through June 30, 1965, including one storage vessel of 5,280 gallon capacity, company owned and maintained, to be supplied on a no charge basis; this commodity is used in various manners, for research primarily in the Physics and Chemistry Departments; however, other departments use liquid nitrogen for freezing specimens, preserving foods, and in gaseous electronics	Physics	Linde Co., Chicago	\$42 654 00 f.o.b. delivered
One spectrophotometer, recording with range of 1860A, 0.0001 per cent scattered light, marker pen, power supply detectors, five rolls of chart paper and detector cells for use in Physics Department studies of the color centers in the alkali halides	Physics	Applied Physics Corp., Monrovia, Calif.	18 915 00 f.o.b. delivered
One 400-channel, transistorized pulse height analyzer with three-inch output display oscilloscope, having multichannel scaler operation and both linear and logarithmic display, with provisions for plug-in paper punch system, as well as spectrum resolving equipment	Physics	Technical Measurements Corp., North Haven, Conn.	10 375 00 f.o.b. delivered
One alpha-numeric accounting machine equipped with alpha-numeric tape readout	Physics	Burroughs Corp., Champaign	8 753 80 f.o.b. delivered and installed
One mass spectrometer (helium leak detector) with mobile work stand, nitrogen trap capable of holding a 24-hour supply of liquid nitrogen, and an audio alarm system, to be used for detecting leaks in high and ultrahigh vacuum systems in the Physics Laboratories	Physics	Consolidated Electro- dynamics Corp., Pasadena, Calif.	4 258 00 f.o.b. delivered
2,500 cases (approximately) canine food, special dietary, for the period July 1, 1963, through June 30, 1965	Veterinary Medicine	Holmes Serum Co., Inc., Springfield	12 500 00 f.o.b. delivered
One vacuum evaporator, automatically controlled with attachment for freeze dry apparatus and cold cathode discharge gauge for measurement of vacuum to $2 \times 10^{-7}$ , to be used in preparing specimens for use with an electron microscope	Zoology	MIKROS, Inc., Portland, Ore.	2 853 00 f.o.b. delivered
One composing machine, electric, office type	University of Illinois Com- mittee on School Mathematics	Varityper Corp., Subsidiary of Addressograph- Multigraph Corp., Peoria	3 223 00 f.o.b. delivered
One steel table for the composing machine			
Eight type fonts			
Furnish photographic laboratory services for the period of July 1, 1963, through June 30, 1965, as follows: Process 100,000 ft. 16 m.m. black and white reversal film Make 100,000 ft. 16 m.m. black and white reversal workprints Make color internegative and answer print from 3,000 ft. A-B Ektachrome original and make 3,000 ft. color prints from internegatives	University of Illinois Com- mittee on School Mathematics	Fischer Photographic Laboratory, Inc., Oak Park	8 619 10 f.o.b. delivered
Construction of greenhouse facility at Dixon Springs Station consisting of the following sections: One 20 ft. by 60 ft. head house (main structure including office area and storage facilities) One 30 ft. by 48 ft. greenhouse One 20 ft. by 48 ft. plastic greenhouse Two 10 ft. by 10 ft. connecting work-rooms	Dixon Springs Station	Thane Building Service Co., Metropolis	6 746 00 f.o.b. delivered and erected
235 student desks, to be used in the housing units of Orchard Downs Addition	Housing Division	Rockford Furniture Associates, Austin, Texas	13 747 50 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furniture for 131 family housing units (one-bedroom and two-bedroom) in the Orchard Downs Addition as follows: 235 headboard beds with metal bed frames 131 chests, five-drawer, with plastic tops 131 tables, dining 1660 chairs, dining, with upholstered seats 131 chairs, lounge, upholstered 262 tables, end, with plastic tops	Housing Division	Associated Service and Supply Co., Chicago	\$57 241 45 f.o.b. delivered
164 sofa-bed combination units with storage drawer for the Orchard Downs Addition	Housing Division	The Englander Co., Chicago	29 047 68 f.o.b. delivered
126 refrigerators, total capacity approximately 9 cubic feet, food compartment capacity approximately 8 cubic feet, freezer chest capacity approximately 1 cubic foot, with two ice trays and one hydrator, non-automatic defrost, to be installed in Orchard Downs units which are being converted from single student housing to married student housing	Housing Division	Frigidaire Sales Corp., Chicago	13 187 16 f.o.b. delivered
Twelve sofas, 72 in., no arms, upholstered Twelve benches, 60 in., upholstered To be used in Peabody Drive and Gregory Drive Men's Residence Halls	Housing Division	L. B. Herbst Corp., Chicago	2 830 20 f.o.b. delivered
63½ dozen tablecloths ranging in size from 54 in. by 92 in. to 72 in. by 220 in., damask, ivy pattern, permanent finish, cotton	Illini Union Food Service	William Liddell & Co., Inc., New York, N.Y.	3 329 66 f.o.b. delivered
100 dozen napkins, 22 in. by 22 in., damask, ivy pattern, permanent finish, cotton	Illini Union Food Service	Twin City Equipment Co., Champaign	2 558 30 f.o.b. delivered
Food handling equipment, aluminum, as follows: Twenty food storage containers with lids Twelve dredges Eighteen dozen pie and cake pans Three dozen loaf pans Six urn cups Thirty-four dozen baking pans and roasters Six slicers	Illini Union Food Service		
175 (15 per cent more or less) uniforms for Army Advanced R.O.T.C. students	Military Property Custodian	Murray's Uniform Co., St. Louis, Mo.	35 380 00 f.o.b. delivered
138 (15 per cent more or less) uniforms for Air Force Advanced R.O.T.C. students			
For use during 1963-64 academic year; students to be measured and fitted on the Urbana campus			
Print and bind approximately six issues of <i>Illinois Studies in Anthropology</i> during the period of July 1, 1963, through June 30, 1965, 2,000 copies per issue, approximately 500 to 900 pages per copy, trim size 6 in. by 9 in.	University Press	Pantagraph Printing & Stationery Co., Bloomington	20 289 12 f.o.b. delivered
One duplicator, offset, to accept stock 11 in. by 14 in., to be equipped with double sheet eliminator, automatic sheet counter, chrome-plated master cylinder and impression cylinder, chain delivery, receding stacker, and equipped with a color printing head to provide for printing two colors simultaneously	Print Shop	Addressograph-Multigraph Corp., Peoria	5 561 40 f.o.b. delivered
Photoengraving service for the Print Shop for the period of July 1, 1963, through June 30, 1965, to include copper and zinc half-tone engravings (re-etched as necessary) zinc benday and line etchings; all cherry wood mounted and dressed for immediate press uses, including consultation, pickup and delivery services	Print Shop	G. R. Grubb & Co., Champaign	34 800 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
160 steel bookshelf units, each 36 in. wide by 9 $\frac{1}{2}$ in. deep by 84 in. high	Office Supply Storeroom	The Interior Steel Equipment Co., c/o Jack Sheehan, Bloomington	\$ 5 056 00 f.o.b. delivered
Laboratory gases as required by various Urbana departments for the period July 1, 1963, through June 30, 1965, in the following estimated quantities: Oxygen — 462,276 cubic feet Acetylene — 89,810 cubic feet Nitrogen, High Purity Dry — 347,456 cubic feet Nitrogen, Commercial — 33,600 cubic feet Helium — 15,640 cubic feet Hydrogen — 357,504 cubic feet Argon — 62,280 cubic feet Compressed Air — 12,760 cubic feet	Various Departments	Depke Welding Supplies, Inc., Danville	45 884 08 f.o.b. delivered
Approximately 500,000 pounds of dry ice for use in research laboratories as required for the period from July 1, 1963, through June 30, 1965	Various Departments	Pure Carbonic Co., Chicago	20 000 00 f.o.b. delivered
Gasoline, fuel oil, and solvent to be furnished to various University departments as requested during the two-year period July 1, 1963, through June 30, 1965	Various Departments	Cities Service Oil Co., Champaign Russell Stewart Oil Co., Urbana Mobil Oil Co., Springfield	66 000 00 36 260 88 13 537 00 (115 797 88) f.o.b. delivered
Rental service for the two-year period July 1, 1963, through June 30, 1965, for Illini Union, Residence Halls, and Home Economics cafeteria for the following items: 100,000 coats, military collar, white 170,000 aprons, bib and waist type, white	Various Departments	Illini Linen Service, Inc., Urbana	38 200 00 f.o.b. delivered
Uniform and linen rental services for estimated 36,822 pieces of gowns, aprons, shirts, trousers, jackets, bed and hand linens, and industrial covers for the two-year period July 1, 1963, through June 30, 1965	Various Departments	Champaign Clean Towel Service, Champaign	9 515 19 f.o.b. delivered
Laundry services for various University departments for the period July 1, 1963, through June 30, 1965 as follows: Group I — general laundry services for all departments except the Physical Education schools Group II — laundry services for Physical Education schools (Note: This purchase will be made from both Appropriated Funds, \$26,208.72, and Institutional Funds, \$165,463.64, for a total of \$191,672.36.)	Various Departments	Shelton Laundry, Urbana Group I White Line Laundry, Inc., and Model Souders, Inc., Champaign Group II	165 463 64 26 208 72 (191 672 36)
Roller towel rental service (dispensing cabinets included) for the period July 1, 1963, through June 30, 1965, 60,000 (approximately) rolls, fifty yards each	Physical Plant Storeroom	Champaign-Urbana Clean Towel Service, Champaign	33 000 00 f.o.b. delivered
Two pumps, duplex, automatic return line vacuum heating, large volume air removal, complete with two two-horsepower motors and controls with each unit	Physical Plant	Nash Engineering Co., Chicago	4 942 50 f.o.b. delivered
Furnish and install fire resistant acoustical tile in 35 rooms in David Kinley Hall (15), Lincoln Hall (9), Chemistry Annex (5), and English Building (6)	Physical Plant	Harlan E. Moore & Co., Champaign	14 011 00 f.o.b. delivered and installed
900 each (approximately) fixtures, fluorescent, lighting for two 40-watt lamps and four 40-watt lamps 1,400 each (approximately) louvers, plastic, cube and prism type for above fixtures 1,950 each (approximately) hangers, single stem, for above fixtures	Physical Plant	Tepper Electric Supply Co., Champaign	27 901 50 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Large lamps (incandescent, fluorescent, mercury) and photographic lamps (projection, photoflash, exciter) to be ordered as required for all three campuses during the period July 1, 1963, through June 30, 1965	Physical Plant	Tepper Electric Supply Co., Champaign Large lamps B. & M. Electrical Distributing Co., Rock Island Photographic lamps	\$152 343 75  10 320 00 (162 663 75) f.o.b. delivered
332 (approximately) batteries, wet storage, of various standard types and sizes for automotive and laboratory use to be purchased as required during the two-year period July 1, 1963, through June 30, 1965	Physical Plant	Montgomery Ward & Co., Urbana	3 719 00 f.o.b. delivered
2,400 (approximately) oil specimens to be analyzed for motor vehicle fleet operation during the period July 1, 1963, through June 30, 1965	Physical Plant	Faber Laboratories, Chicago	4 416 00 f.o.b. delivered
Lumber, miscellaneons, for the one-year period July 1, 1963, through June 30, 1964, in the following estimated quantities projected on current usage: 50,000 bd. ft. No. 3 spruce 74,000 bd. ft. construction fir 13,000 bd. ft. "C" select ponderosa or sugar pine 1,550 bd. ft. fir flooring, clear, edge grain	Physical Plant Storeroom	Hillcrest Lumber Co., Champaign	20 028 26 f.o.b. delivered
Plywood, Douglas Fir, for one-year period July 1, 1963, through June 30, 1964, as follows: 125 sheets exterior A-A 185 sheets exterior A-B 1,890 sheets interior A-B 450 sheets interior A-D 250 sheets interior C-D	Physical Plant	Long Lumber Co., Champaign	12 712 66 f.o.b. delivered
3,000 tons (approximately) sand, trench backfill, as required from July 1, 1963, through June 30, 1965, to be used by Physical Plant Department for various jobs around the Urbana campus	Physical Plant	Somers-Barr Co., Inc., Urbana	3 900 00 f.o.b. delivered
400 yards (approximately) concrete, ready mixed for two-year period July 1, 1963, through June 30, 1965, to be obtained as needed by Physical Plant Department for various jobs around the Urbana campus	Physical Plant	Alpha Material & Fuel Co., Champaign	6 510 00 f.o.b. delivered
18,100 (approximately) building blocks, concrete and haydite, for two-year period, for use by Physical Plant Department for various jobs on the Urbana campus	Physical Plant	Odman-Hecker & Co., Inc., Urbana	3 910 75 f.o.b. delivered
Building materials as required by the Physical Plant Department in small quantities, for one year from July 1, 1963, as follows: 800 sheets tapered edge wallboard 229 sheets asbestos board 100 sheets pressed fibre board 100 sheets insulation board 320 sheets tempered hardboard 50 sheets tempered pegboard	Physical Plant Storeroom	Long Lumber Co., Champaign	5 134 80 f.o.b. delivered
6,000 tons (approximately) crushed road stone binder, No. 8, to be used by Physical Plant Department in various jobs on the Urbana campus over a two-year period	Physical Plant	Harold D. Smith Trucking, Camargo	16 200 00 f.o.b. delivered
1,000 tons (approximately) crushed rock, class X, to be obtained as needed by Physical Plant Department for various jobs on Urbana campus during period July 1, 1963, through June 30, 1965	Physical Plant	Alpha Material & Fuel Co., Champaign	2 646 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
350 tons (approximately) road patching material, sub-class I-11 surface course mixture, to be used by Physical Plant Department for patching jobs on the Urbana campus over two-year period	Physical Plant	Champaign Asphalt Co., Champaign	\$ 3 500 00 f.o.b. Champaign
256,000 tons (plus or minus 20 per cent) coal screenings to be purchased and delivered as needed to Abbott Power Plant for the two-year period from July 1, 1963, through June 30, 1965	Physical Plant	V-Day Coal Co., Danville Republic Coal & Coke Co., Chicago Bell & Zoller Coal Co., Chicago	270 000 00 761 280 00 204 000 00 (1 235 280 00) f.o.b. mine Freight 345 600 00 (1 580 880 00)
Salt as needed during the period July 1, 1963, through June 30, 1965: approximately 20,000 50-lb. bags rock salt; approximately 350 tons bulk rock salt	Physical Plant, Housing Division, and Illini Union	Cargill, Inc., La Salle	17 545 00 f.o.b. delivered
Toilet tissue and paper towel requirements for Urbana and Chicago Departments for the period of July 1, 1963, through June 30, 1965 (estimated quantities: 4,000 cases toilet tissue, 9,000 cases paper towels)	Physical Plant, Urbana and Chicago	Randolph Paper Co., Chicago	66 848 50 f.o.b. delivered
Two containers, refuse, 30 cubic yard capacity, to be used in the refuse collection system on Urbana campus, to be installed in Orchard Downs area for collection of refuse	Physical Plant	Coleman & Associates, Rockford	4 998 00 f.o.b. delivered
Eight sedans, 1963 model, four-door with V-8 engine, automatic transmission (Group 1) less trade-in of eight 1961 sedans	Physical Plant	University Ford, Champaign Group 1 Group 2	6 870 00 2 345 00
Three sedans, 1963 model, compact, four-door with six-cylinder, automatic transmission (Group 2) less trade-in of three 1961 sedans		Rosetter Motor Co., Peoria Group 3	892 00 (10 107 00) f.o.b. delivered
One sedan, 1963 model, four-door with V-8 engine, automatic transmission, power steering and brakes, police car (Group 3) less trade-in of one 1962 sedan			

On motion of Mr. Johnston, these purchases were authorized.

#### JULY AND AUGUST MEETINGS

The Board has previously considered changing the date of its regular July meeting, and President Clement inquired if the Trustees wish to take any action at this time. He also asked if the Board desires to hold a regular meeting in August.

On motion of Mr. Swain, the Board voted to change the date of its regular July meeting from Wednesday, July 17, to Tuesday, July 2, 1963, this meeting to be held in Chicago.

On motion of Mr. Johnston, the Board voted to change the date of its August meeting from Wednesday, August 21, to Thursday, August 1, 1963, to be held in Chicago, with the understanding that if the volume of business does not justify holding a meeting of the full Board, the President will order it cancelled and will call a meeting of the Executive Committee which the other Trustees will be invited to attend.

President Clement reminded the Board that its regular September meeting will be held on Wednesday, September 18, 1963, and that this meeting should be held in Urbana.



## DEGREES CONFERRED IN JUNE, 1963

The Secretary presented for record the following lists of degrees conferred on candidates at the Medical Center campus on June 7, 1963, and on the other dates indicated, and on candidates at the Urbana-Champaign campus on June 15, 1963, in accordance with the authorization of the Board of Trustees.

## Summary

## Honorary Degrees, conferred at Urbana:

Doctor of Laws.....	1
Doctor of Science.....	3
<i>Total, Honorary Degrees.....</i>	<i>(4)</i>

## Degrees in the Graduate College, conferred at Urbana:

Doctor of Philosophy.....	146
Doctor of Education.....	8
Doctor of Business Administration.....	1
Master of Arts.....	146
Master of Science.....	346
Master of Music.....	10
Master of Education.....	88
Master of Social Work.....	29
Master of Fine Arts.....	6
Master of Accounting Science.....	7
Master of Architecture.....	4
Master of Comparative Law.....	1
Master of Commerce.....	2
Master of Business Administration.....	5
Advanced Certificate in Education.....	16
<i>Total, Graduate College.....</i>	<i>(815)</i>

## Degrees in Law, conferred at Urbana:

Bachelor of Laws.....	49
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## Degrees in Veterinary Medicine, conferred at Urbana:

Bachelor of Science.....	26
Doctor of Veterinary Medicine.....	31
<i>Total, Veterinary Medicine.....</i>	<i>(57)</i>

## Baccalaureate Degrees, conferred at Urbana:

Bachelor of Science, College of Agriculture.....	170
Bachelor of Science, College of Engineering.....	339
Bachelor of Arts, College of Liberal Arts and Sciences.....	417
Bachelor of Science, College of Liberal Arts and Sciences.....	252
Bachelor of Science, College of Education.....	174
Bachelor of Science, College of Commerce and Business Administration..	296
Bachelor of Science, College of Journalism and Communications.....	53
Bachelor of Architecture, College of Fine and Applied Arts.....	68
Bachelor of Fine Arts, College of Fine and Applied Arts.....	69
Bachelor of Music, College of Fine and Applied Arts.....	6
Bachelor of Science, College of Fine and Applied Arts.....	40
Bachelor of Science, College of Physical Education.....	49
<i>Total, Baccalaureate Degrees.....</i>	<i>(1,933)</i>
<i>Total, Degrees Conferred at Urbana.....</i>	<i>(2,858)</i>

## Honorary Degrees, conferred at Chicago:

Doctor of Science.....	1
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## Degrees in the Graduate College, conferred at Chicago:

Doctor of Philosophy.....	17
Master of Science.....	37
<i>Total, Graduate College.....</i>	<i>(54)</i>

## Degrees in Dentistry, conferred at Chicago:

Bachelor of Science.....	49
Doctor of Dental Surgery.....	78
<i>Total, Dentistry</i> .....	(127)

## Degrees in Medicine, conferred at Chicago:

Bachelor of Science in Occupational Therapy.....	10
Doctor of Medicine.....	192
<i>Total, Medicine</i> .....	(202)

## Degrees in Nursing, conferred at Chicago:

Bachelor of Science.....	29
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## Degrees in Pharmacy, conferred at Chicago:

Bachelor of Science.....	132
<i>Total, Degrees Conferred at Chicago</i> .....	(545)
<i>Total, Urbana and Chicago</i> .....	3,403

*Degrees Conferred at Urbana***HONORARY DEGREES****Degree of Doctor of Laws**

HENRY TOWNLEY HEALD, M.S., D.Eng., LL.D., D.C.L., L.H.D., D.Sc.

**Degree of Doctor of Science**

GEORGE WELLS BEADLE, Ph.D., D.Sc.

CARL SHIPP MARVEL, Ph.D., D.Sc.

CLARENCE SAMUEL ROSS, Ph.D.

**GRADUATE COLLEGE****Degree of Doctor of Philosophy***In Accountancy*

ALFRED RAPPAPORT, B.B.A., Western Reserve University, 1954; M.S., 1961

*In Agricultural Economics*

HIROSHI NAKAMURA, A.B., Tokyo University of Foreign Studies, 1954

LEROY FRANCIS ROGERS, B.S., California State Polytechnic College, 1954; M.S., Oregon State College, 1958

PEDRO R. SANDOVAL, B.S., University of the Philippines, 1946; M.S., University of Minnesota, 1956

HERBERT HORST STOEVENER, B.S., Cornell University, 1958; M.S., 1962

*In Agronomy*

JALMER JOHN JOKELA, B.S., M.S., University of Minnesota, 1947, 1951

*In Animal Nutrition*

CHITRA SEN BISWAS, B.S., M.S., University of Calcutta, 1956, 1959

JAMES DAVID ERFLE, B.S.A., M.S., University of Saskatchewan, 1957, 1959

*In Biophysics*

HIROSHI MIZUKAMI, A.B., International Christian University, 1957

*In Botany*

ELMER BURTON HADLEY, A.B., University of California (Santa Barbara), 1958; M.S., 1960

VERN AUGUST McMAHON, B.S., St. Cloud State College, 1957; M.S., 1959

IKUKO FUKUDA MIZUKAMI, A.B., International Christian University, 1957; M.S., 1958

*In Business*

GEORGE DAUD KANAWATY, B.S., Alexandria University, 1950; M.S., 1961

CLARENCE ALBERT SIMS, B.S., M.S., 1942, 1946

DON ROBERT WEBB, B.S., M.S., University of Missouri, 1952, 1958

*In Ceramic Engineering*

HUBERT RICHARD THORNTON, B.S., M.S., Alfred University, 1954, 1957

*In Chemical Engineering*

BILLY MONROE RIGGLEMAN, B.S., West Virginia University, 1959; M.S., 1961

PAUL VAN SHAW, B.S., M.S., University of Nebraska, 1957, 1960

CLYDE QUITMAN SHEELY, JR., B.S., Mississippi State University, 1959; M.S., 1961

ROBERT ANTON STAGER, B.A.Sc., A.M., University of Toronto, 1959, 1960

*In Chemistry*

ROBERT HANEN CARNIGHAN, A.B., Kenyon College, 1959

JOHN TIMOTHY DONOGHUE, B.S., M.S., University of Massachusetts, 1958, 1960

JAMES LORAN FOGHT, B.S., University of Akron, 1958; M.S., 1960

CARLTON DAN FOOTE, A.B., Central College, 1957

PATRICK EDWARD GUTRE, B.S., University of Arkansas, 1958

ALEXANDER KEITH JAMESON, B.S., B.E.S., M.S., Brigham Young University, 1956, 1957, 1957

THOMAS HERBERT KINSTLE, A.B., Bowling Green State University, 1958

BRUCE HOLMES KLANDERMAN, A.B., Calvin College, 1959; M.S., 1961

THOMAS WILLIAM KOENIG, B.S., Southern Methodist University, 1959; M.S., 1961

DAVID LEE LYDY, A.B., Indiana University, 1958

CHARLES DEAN MITCHELL, A.B., Monmouth College, 1957; M.S., 1961

BEULAH MARIE WOODFIN, A.B., Vanderbilt University, 1958; M.S., 1960

*In Civil Engineering*

PETER KUANG-HSUN DAL, B.S., Taiwan Provincial Cheng Kung University, 1957; M.S., 1960

GEORGE WATKINS GREENWOOD, B.S., University of Maine, 1951; M.S., 1960

GOIN NEIL HARPER, B.S., Massachusetts Institute of Technology, 1959; M.S., 1961

PEDRO JIMENEZ QUIÑONES, B.S., University of Puerto Rico, 1952; M.S., 1957

KAMRAN MAJIDZADEH, Diploma, Teheran University, 1959; M.S., 1960

JOHN DONALD PETERS, B.S., M.S., 1956, 1960

HEDLEY EDMUND HERBERT ROY, B.A.Sc., University of Toronto, 1955; M.S., 1960

MORTIMER DANIEL VANDERBILT, B.S., Ohio University, 1957; M.S., 1961

RICHARD EARL WOODRING, B.S., Drexel Institute of Technology, 1954; M.S., 1956

*In Communications*

JEAN PRANINSKAS, A.B., New York University, 1948; A.M., University of Michigan, 1950

*In Dairy Technology*

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*In Economics*

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*In Education*

DALE EUGENE KAISER, B.S., M.S., 1954, 1960

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RUTH CAMERON WEBB, A.B., Drew University, 1948; A.M., Syracuse University, 1949

*In Electrical Engineering*

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JACK ROGER BAIRD, B.S., M.S., 1958, 1959

- KEITH GEORGE BALMAIN, B.A.Sc., University of Toronto, 1957; M.S., 1959  
EDWARD PAUL BIALECKE, JR., B.S., M.S., 1956, 1958  
JOHN CHARLES ELSEY, B.S., University of Utah, 1956; M.S., Massachusetts Institute of Technology, 1960  
JAMES BERNARD GERARDO, B.S., M.S., 1959, 1960  
ROBERT WILLIAM KAFKA, B.S., M.S., 1958, 1959  
STEPHEN JAMES KAHNE, B.E.E., Cornell University, 1960; M.S., 1961  
PAUL WILLIAM KLOCK, B.S., University of Missouri, 1957; M.S., 1958  
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JAMES HARWOOD PUGSLEY, A.B., Oberlin College, 1956; M.S., 1958  
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*In English*

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CLYDE LEROY GRIMM, JR., B.S., A.B., 1952, 1955; A.M., University of Arizona, 1957  
CHARLES KOBAN, A.B., Pennsylvania State University, 1958; A.M., Columbia University, 1960  
KENNETH LEE LEDBETTER, A.B., Central College, 1956; A.M., 1957  
GENE EMERSON MOROKOFF, A.B., Beloit College, 1949; A.M., University of North Carolina, 1951  
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*In Entomology*

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*In Finance*

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*In Food Technology*

- DEMETRIOS SPYRIDON SGOUTAS, Diploma, University of Salonika, 1954

*In French*

- CHARLES ALOYSIUS BAKER, JR., A.B., A.M., Boston College, 1955, 1956  
RUTH RINGLAND RAINS, B.S., A.M., 1948, 1956  
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*In Geography*

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*In Geology*

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*In Horticulture*

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*In Mathematics*

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*In Musicology*

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*In Art Education*

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*In English*

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DONALD ELMER SHEEHAN, B.S., United States Military Academy, 1956  
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*In French*

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PATRICK DAVID PERSAUD, A.B., 1962  
MARJORIE ANN SNELL, B.S., A.B., Central Missouri State College, 1959, 1959  
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*In Geography*

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*In German*

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*In Labor and Industrial Relations*

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*In Linguistics*

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*In Mathematics*

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 DOYLE LEROY BOSTIC, B.S., Southeastern State College, 1957  
 RALPH SINCLAIR BOTTORFF, A.B., Iowa State Teachers College, 1960  
 STEPHANIE BREWSTER TAYLOR BREWER, A.B., Mount Holyoke College, 1961  
 GARY BENNETT BRINTON, B.S., University of Missouri, 1959  
 ROGER LYLE BROCKMEYER, A.B., State College of Iowa, 1958  
 IRENE VAUGHN BROWN, B.S., Agricultural, Mechanical and Normal College (Arkansas), 1955  
 JOE KERMIT BRYANT, B.S., A.M., California State Polytechnic College, 1959, 1961  
 DAVID MACPHERSON CLARKSON, A.B., Williams College, 1949; A.M., Wesleyan University, 1957  
 DAVID ALLEN CROTHAMEL, B.S., University of Scranton, 1957; Ed.M., Pennsylvania State University, 1960  
 ROBERT DUANE DAVIS, B.S., M.S., Illinois State Normal University, 1958, 1959  
 KEITH ALBERT FAILON, B.S., 1960  
 MATTHEWS IRVING GLASS, B.S., University of Baltimore, 1950  
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 ANDREW JOHN GUERRIERO, A.B., New Jersey State Teachers College (Montclair), 1960  
 HENRY PHILIAS GUILLOTTE, B.Ed., Rhode Island College of Education, 1959  
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 ALLEN HAROLD HOLMES, A.B., Carleton College, 1959  
 LAWRENCE CARL HOWARD, JR., B.S., Western Carolina Teachers College, 1954  
 EDWARD MORRILL JACOBS, B.S., M.S., State University of New York College of Education (Brookport), 1957, 1960  
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 CHARLES LOUIS KERNER, JR., B.S., West Chester State College, 1950; Ed.M., Temple University, 1956  
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 NORBERT JAMES KUENZL, B.S., Wisconsin State College (Eau Claire), 1959  
 MIRIAM ARLINE LATSHAW, A.B., Pennsylvania State University, 1959  
 WEN-LAN LIU LEE, A.B., National Taiwan University, 1955  
 ORDA SWAN LEWIS, A.B., Los Angeles State College of Applied Arts and Sciences, 1957  
 FRANCES JOAN MASSER, B.S., 1962  
 WILLIAM ROBERT McLEAN, B.S., United States Merchant Marine Academy, 1952  
 WILLIAM ANTON MILLER, B.S., M.A.T., Michigan State University, 1956, 1961  
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 HARRY GENE MOORE, A.B., Southern Illinois University, 1957  
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DON LEON VOILS, B.S., University of Nebraska, 1960  
WILLIAM FRANKLIN WARD, B.S., Iowa State University, 1958  
CHARLES ALONZO WILLIAMS, A.B., Miles College (Alabama), 1960  
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*In Philosophy*

CHARLES BERNARD FETHE, A.B., Johns Hopkins University, 1962

*In Political Science*

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*In Psychology*

ROBERT B. EWEN, A.B., Cornell University, 1961  
RONALD SCOTT KRUG, B.S., 1960  
JEROME DONALD MAURATH, A.B., 1959  
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*In Social Sciences*

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*In Sociology*

MAN SINGH DAS, B.S., University of Allahabad, 1955; B.D., Serampore College, 1958; M.T., Princeton Theological Seminary, 1960; A.M. (Education), Morehead State College, 1961  
JAMES WILLIAM HARRIS, A.B., 1960  
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*In Spanish*

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*In Speech*

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*In the Teaching of English*

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*In the Teaching of Speech*

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*In Accountancy*

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*In City Planning*

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ALBERT FRANCIS DORRIS, B.S., United States Military Academy, 1959

JAMES AARON EDDINGS, B.S., Clemson Agricultural College, 1962

NORBERTO LUCHANGCO FAUSTINO, B.S., Mapua Institute of Technology, 1961

MOHAMED KAMEL GAMAL EL-DIN, B.C.E., Cairo University, 1959

SUDHINDRA GUPTA, B.Eng., University of Calcutta, 1956

RONALD ERNEST HUDSON, B.S., United States Military Academy, 1958

CHANDAN MAL JAIN, B.Eng., University of Rajasthan, 1961

KRISHAN KUMAR JAIN, B.S., University of Delhi, 1954; B.Eng., University of Roorkee, 1957

THEODORE DALE JOHNSON, B.S., 1962

VASANT RAMCHANDRA KALE, B.Eng., Benares Hindu University, 1958

AZER KEHNEMUIPUR, B.S., Robert College, 1962

LAWRENCE JOSEPH KRAMER, B.C.E., University of Dayton, 1962

DAVID MILLER LEE, B.C.E., University of Delaware, 1962

RALPH LEIBE, B.Eng., McGill University, 1960

JOHN WILLIAM LEONARD, B.S., Tufts University, 1962

EDWARD JONG-TSUEY LIU, B.S., Taiwan Provincial Cheng Kung University, 1959

YU-CHIAO LO, B.S., Taiwan Provincial Cheng Kung University, 1959  
LEONARD ANTHONY LOPEZ, B.S., Tufts University, 1962  
WARD ROYCE MALISCH, B.S., 1961  
WALTER LYLE MEYER, B.S., 1962  
LOESAKDI NANTHIVACHRINTR, B.S., Chulalongkorn University (Thailand), 1960  
JAMES EDWARD NEBRASKA, B.S., Ohio University, 1962  
JERRY FRANK PAROLA, B.S., 1962  
RAOUF ABDUL RIDHA, B.S., University of Baghdad, 1959  
GEORGE ROGERS ROBERTSON, B.S., United States Military Academy, 1958  
CLAUDIO SANCHEZ RAMOS, Civil Engr., National University of Colombia, 1961  
LESLIE HOWARD SAVAGE, B.S., Virginia Military Institute, 1958  
ROBERT EUGENE SHEWMAKER, B.S., 1962  
CARLOS SZAPSIK SIMENSTEIN, Civil Engr., National Autonomous University of Mexico, 1961  
DREW ANTHONY TIEDEMANN, B.S., 1962  
JOHN HENRY VICKERS, B.S., United States Military Academy, 1957  
ROBERT JOE WESTBERG, B.S., United States Naval Academy, 1955; B.C.E., Rensselaer Polytechnic Institute, 1958  
ROBERT HILTON WORTMAN, B.S., University of New Mexico, 1957  
DAVID DONALD YOUNG, B.Eng., McGill University, 1960  
MEBBI SHAGHAGHI ZARGHAMEE, B.C.E., Georgia Institute of Technology, 1962

*In Dairy Science*

JOHN ARTHUR BINES, B.S., Wye College, University of London, 1961  
ZEPHANIAH OWIRO, B.S., 1962

*In Dairy Technology*

NICHOLAS P. MELACHOURIS, Graduate, Highest Agricultural School (Athens), 1958

*In Economics*

JOHN MICHAEL BOIE, B.S., 1962  
LAWRENCE ARTHUR BOLAND, B.S., Bradley University, 1962  
ROBERT CHARLES CIRESE, B.S., DePaul University, 1960  
CHARLES HENRY CLINE, B.S., 1960  
SANFORD MONZEL MARTIN, JR., A.B., Southern Illinois University, 1961  
AARON DAVID METZ, B.S., 1958  
RICHARD WAYNE TRUELICK, B.S., 1962

*In the Education of Mentally Handicapped Children*

RITA BORRI REIMAN, B.S., 1959

*In Electrical Engineering*

SADANAND DINKAR AGASHE, B.Eng., University of Bombay, 1961  
ALLEN MARSHALL BARNETT, B.S., 1962  
RODOLFO BETANCOURT DEL RIO, Licenciado, Institute of Technology and Higher Studies of Monterrey (Mexico), 1962  
JAMES DALE BOYD, B.S., 1962  
DIREK CHAROENPHOL, B.E.E., Clarkson College of Technology, 1961  
NICHOLAS DELVECCHIO, B.S., Tufts University, 1962  
PHILLIP HARRIS DOPPELT, B.S., 1961  
RICHARD HENRY ECKHOUSE, JR., B.E.E., Cornell University, 1962  
JOHN PAUL FALLON, B.S., Tufts University, 1962  
MELVIN IVAN GASFER, B.S., State University of Iowa, 1962  
SUJOY KUMAR GUHA, B.Tech., M.Tech., Indian Institute of Technology, 1961, 1962  
DENNIS CALVIN HALL, B.S., 1962  
DORAN DAVID HERSHBERGER, B.S., Case Institute of Technology, 1945; A.B., Goshen College, 1946  
RAYMOND JOHN HOAGLIN, B.S., Arizona State University, 1962  
GARY FREDRICK HOECH, B.S., University of Missouri School of Mines and Metallurgy, 1961  
JAY HOUSHOLDER, B.S., University of Missouri School of Mines and Metallurgy, 1962  
EDWARD HUDOCK, B.S., University of Michigan, 1952

DONALD ALOYSIUS KASNAK, B.S., 1962  
RONALD LLOYD KLEIN, B.S., 1962  
KOMANDUR RAMU KRISHNAN, B.Eng., Nagpur University, 1962  
CLARK NELSON KURTZ, B.S., South Dakota School of Mines and Technology, 1959  
WING CHIU LEUNG, B.S., 1962  
BERNARDO LEVY, Licenciado, Institute of Technology and Higher Studies of Monterrey (Mexico), 1962  
JOHN ROBERT LINFORD, B.E.S., Brigham Young University, 1960  
JOSEPH GEORGE MCCARTHY, B.S., 1962  
ARCHIE CHARLES MCKELLAR, B.S., University of Alberta, 1958  
JOHN MICHAEL MOTIL, B.S., University of Alberta, 1960  
DONALD STEWART PARRY, B.S., Purdue University, 1955  
EDWIN LEWIS POST, B.Eng., Stevens Institute of Technology, 1962  
WILLIAM LEE RICKHOFF, B.S., Valparaiso University, 1961  
ROBB NICHOLS RUSSELL, B.S. (Engineering), B.S. (Electrical Engineering), Trinity College, 1960, 1961  
STEVEN BROWNING SAMPLE, B.S., 1962  
ALBERTO MAYER SASSON MCKEOWN, B.S., 1961  
HAROLD SHICHMAN, B.S.E., University of Michigan, 1962  
RAM SHANKAR SHUKLA, B.Eng., M.Eng., University of Jabalpur, 1957, 1960  
JOHN LUCIAN SPELLMAN, B.S., 1962  
SHEO PRASAD SRIVASTAVA, B.S., M.S., Benares Hindu University, 1951, 1953  
THOMAS JOHN ULASZEK, B.S., 1962  
TAKAO UTSUMI, B.S., University of Tokyo, 1956  
PAUL FRANCIS VIROBIK, B.S., 1962  
RICHARD JAMES WALLSTROM, B.S., 1959  
RICHARD MICHAEL WHITE, B.S., 1962  
ROBERT EDWARD WILLARD, B.S., 1962  
WILLIAM ALLAN WULF, B.S., 1961

*In Entomology*

JOHN DUANE UNZICKER, B.S., 1962

*In Food Technology*

FRANK THEODOR BURGHEIMER, B.S., Cornell University, 1962

*In Geology*

MOHAMED TAHA EL-ASHRY, B.S., Cairo University, 1959  
JACK ROGER PALOMINO CARDENAS, Ing.Geol., National University of San Marcos (Peru), 1961

*In Health Education*

MICHAEL HERBERT MOSTOW, B.S., Brooklyn College, 1962  
ZANDER PONZO, B.S., College of the City of New York, 1962

*In Home Economics*

SARA UMBERGER DOUGLAS, B.S., Kansas State University, 1961  
AUDREY GRONERT GIESEKING, B.S., 1961  
CORINNE PETRUSIA MARIE GRESCHUK, B.S., University of Alberta, 1961  
JUNE LOUISE HEFTER, B.S., 1960  
QUEI-SHOW HWANG, B.S., National Taiwan University, 1960  
NANCY LEE OVERPECK KEPPLER, B.S., University of Miami, 1960

*In Home Economics Education*

GLENNA JEAN BLUNIER, B.S., 1961

*In Horticulture*

BHOLA NATH MAZUMDAR, B.S., Benares Hindu University, 1948

*In Journalism*

IRA LEE BAKER, A.B., Wake Forest College, 1936; A.M., Columbia University, 1952

*In Library Science*

MARY JOYCE BAKER, A.B., Simpson College, 1962  
ANNA MARIE BOSELY, A.B., West Virginia University, 1962

MARY HUDSON BRICKEY, A.B., 1962  
 MARGOT GOWDY BROCKMEYER, A.B., Cornell College, 1958  
 CAROL LEE DOTY, B.S., Wheaton College (Illinois), 1954  
 LUCY EMILY GRIMM, A.B., Dickinson College, 1961  
 SAUNDRA BETH HARRY, B.S., University of Omaha, 1957  
 LORRAINE ETHEL HARTWICK, A.B., Augustana College, 1958  
 SANDRA OTT HERZINGER, A.B., Nebraska Wesleyan University, 1960  
 CLAYTON DOUGLAS HIGHUM, B.S., Mayville State Teachers College, 1956; M.S., State Teachers College (St. Cloud, Minnesota), 1960  
 PATRICIA ANN HUDSON, B.S., 1958  
 EVELYN LEONA JOHNSON, A.B., Augustana College, 1953  
 MARY MCANULTY LANDON, A.B., North Texas State University, 1961  
 JULIA YUN-CHU TANG LEE, A.B., National Taiwan University, 1956  
 WEI-CHENG LEE, A.B., National Taiwan University, 1955; M.S., Southern Illinois University, 1962  
 RUTH GODFREY LINDBAHL, A.B., 1958  
 GERALDINE MARILYN LONG, A.B., Asbury College, 1958  
 SARA FISTER MACALPINE, A.B., Syracuse University, 1931  
 CLOE LOIS BEDFORD OSBORN, B.S., A.M., 1938, 1957  
 MARGARET KAREN PALMER, A.B., Washington University, 1961  
 JOHNNIE LOUISE PHILLIPS, B.S., Loyola University, 1961  
 ALBERTA LOUISE RICHELLE, B.S., New Haven State Teachers College, 1961  
 WILBUR KIRKWOOD ROSENKRANZ, B.S., 1962  
 JOHN BARTHOLOMEW ST. LEGER, A.B., A.M., University of Richmond, 1956, 1961  
 ROZELLA BLOOD SMITH, A.B., M.S., University of Wichita, 1932, 1933  
 MARY ELLEN SOPER, A.B., 1955  
 TED FILO SRYGLEY, A.B., University of Florida, 1960  
 MATILDA THOMPSON STARNES, A.B., University of Oklahoma, 1941  
 KAREN ELAINE SUTHERLAND, A.B., Carroll College, 1962  
 SAMUEL CURTISS TEFFT, A.B., Grinnell College, 1962  
 ELIZABETH SCROGHAM VIERLING, B.S., 1962  
 MARILYN RUTH VOEGELE, A.B., University of Colorado, 1958  
 LUCILLE MATHENA WERT, A.B., Morningside College, 1942; B.S., Simmons College, 1945  
 PATRICIA JEAN WILSON, A.B., 1962

#### *In Management*

EDWARD THOMAS GRAENING, B.S., Evansville College, 1958  
 ROBERT ROY WEHRLE, B.S., 1958

#### *In Marketing*

JOSEPH WELLS SKEHEN, B.S., 1960

#### *In Mathematics*

ROBERT JEFFERY ALEXANDER, B.S., Bowling Green State University, 1961  
 ROBERT EDWARD COMLEY, B.S., M.S., State University of New York College of Education (Albany), 1955, 1957  
 CHARLES GOOD DENLINGER, A.B., Elizabethtown College, 1961  
 GORDON KENDRICK DICKER, B.S., United States Military Academy, 1947; M.S. (Physics), 1952  
 DAVID JOSEPH GRIES, B.S., Queens College, 1960  
 TERRENCE JOSEPH HOBIN, B.S., Illinois Institute of Technology, 1961  
 KAREN ESTELLE KRULL, A.B., Carthage College, 1961  
 PRESSLEY WARWICK MILLAR, A.B., Brown University, 1961  
 PHILIP NEWCOMB NANZETTA, B.S., North Carolina State College of Agriculture and Engineering, 1962  
 BARBARA JEAN PARDINI, B.S., 1960  
 THOMAS GEORGE RALLEY, B.S., Illinois Institute of Technology, 1961  
 WILLIAM ALBERT SANDERS, A.B., Rockford College, 1962  
 PAUL HANSON TINGLEFF, B.S., 1961  
 GARY ROGER TIPPETT, B.S., Bradley University, 1961  
 ROBERT GREIG WARD, A.B., DePauw University, 1955

*In Mechanical Engineering*

GENE FREDERICK AHLQUIST, B.S., 1962  
 HARRY GEORGE BECKENHOLDT, B.S., St. Louis University, 1962  
 ROBERT WINFRED BUNTON, B.S., United States Military Academy, 1961  
 CHARLES RAYMOND CASTELLANO, B.S., University of New Hampshire, 1961  
 PROBIR KUMAR CHATTERJEA, B.S., Bihar University, 1954; B.Tech., Indian Institute of Technology, 1958  
 KWANG-YEH CHEN, Graduate, National Amoy University, 1946  
 TENG HSUEH CHUANG, B.S., National Taiwan University, 1960  
 ROBERT EUGENE EILERS, B.S., 1961  
 RAAFAT MAHMOUD HUSSIEN EL-BARRAD, B.S., Ain Shams University, 1952  
 FLOYD CORLISS HAYES, B.S., 1962  
 CLINTON PERCIVAL RHICARD, B.S., Norwich University, 1957  
 JOE EDWARD SANDERS, B.S., United States Military Academy, 1956  
 JAMES MARTIN SIGLER, B.S., United States Military Academy, 1958  
 JAMES JOSEPH STUKEL, B.S., Purdue University, 1959  
 DANIEL WILLIAM SUTHERLAND, B.S., University of Colorado, 1961  
 BARD CLARK TEIGEN, B.S., Montana State College, 1962

*In Metallurgical Engineering*

PATRICIA MAE BUNN, A.B., St. Joseph College (Connecticut), 1960  
 JON OTTO NELSON, B.S., Purdue University, 1961  
 ROBERT PAUL ZERWEKH, B.S., University of Missouri School of Mines and Metallurgy, 1961

*In Microbiology*

SONDRA ROBERTA STEIN, B.S., 1962

*In Mining Engineering*

DILIP KUMAR SEN, B.S., University of Calcutta, 1942; Diploma, Indian School of Mines, 1948

*In Music Education*

JAMES ZUILL BAILEY, B.S., East Carolina College, 1962  
 MICHAEL DONALD BENNETT, B.Mus., University of Arizona, 1960  
 TERRY JAY BRENNAN, B.Mus., MacMurray College, 1962  
 GLEN ROY DANIELSON, B.Mus.Ed., Milton College, 1959  
 MICHAEL JOHN DELANEY, A.B., Elmhurst College, 1957  
 BONZIE MAE GILBERT, B.Mus., Baldwin-Wallace College, 1957  
 TERRY HAMILTON HOWARD, B.S., Ithaca College, 1961  
 JAMES BROWN LYKE, B.S., State University of New York College of Education (Fredonia), 1954; A.M., Teachers College, Columbia University, 1959  
 LAURENCE ALFRED MACK, B.Mus.Ed., Northwestern University, 1962  
 EDDIE SPENCER MEADOWS, B.S., Tennessee Agricultural and Industrial State University, 1962  
 MARTHAN DUSCH ROBERTS, B.Mus., MacMurray College, 1951  
 BYRON LEON RODERICK, B.S., Illinois State Normal University, 1962  
 GAYLORD DEAN SPOTTS, B.S., 1956  
 WILLIAM HARPER TREXLER, B.S., 1960  
 ARLENE JOANNE VERBESKI, B.Mus., 1961  
 JAMES RONALD VON FELDT, B.Mus.Ed., University of Wichita, 1962  
 BENJAMIN EDMUND WILLIAMS, B.S., 1957  
 BENJAMIN WILSON WOODRUFF, JR., A.B., University of South Carolina, 1961

*In Nuclear Engineering*

BERNARD HUGH CHERRY, B.S., 1962  
 KIN YING CHEUNG, B.S., University of Michigan, 1961  
 NELSON SUTTON DEMUTH, JR., B.S., Virginia Polytechnic Institute, 1961  
 JOHN PHILIP KUTZ, B.S., 1962  
 WILLIAM JOSEPH WESTHOFF, Geophysical Engr., Colorado School of Mines, 1955; M.S. (Civil Engineering), 1963  
 SAAYID MOHAMMED NAQI ZAIDI, B.S., Aligarh Muslim University, 1950; M.S., University of Colorado, 1956

*In Physical Education*

- JAMES HAROLD BISHOFF, B.S., 1962  
RAYMOND FRITZIOF CARSON, A.B., Augustana College, 1961  
WILLIAM LEAS HASKELL, A.B., University of California (Santa Barbara), 1960  
KATHLEEN FRANCES HEATH, A.B., Marylhurst College, 1953

*In Physics*

- JOHN LAURENCE ANDERSON, JR., B.S., Eastern Kentucky State College, 1961  
ANDRAS MIKLOS BARDOS, Matura, Budapest, 1956; B.S., 1962  
WILLIAM ERIC BAYLIS, B.S., Duke University, 1961  
EUGENE WILLIAM BEIER, B.S., Stanford University, 1961  
CHEUK-KIN CHAU, A.B., MacMurray College, 1962  
FREDERICK YI-TUNG CHO, B.S., University of California (Los Angeles), 1962  
DONALD JOHN DESMET, B.S., 1962  
RONALD HART DURRETT, B.S., 1962  
CHARLES ARTHUR EBNER, A.B., Cornell University, 1962  
JOSE GRANES SELLARES, B.S., 1962  
DAVID GORDON HAMBLIN, A.B., Williams College, 1962  
ROBERT WILLIAM HOSKEN, B.E.E., Polytechnic Institute of Brooklyn, 1961  
BRIAN CHARLES KOLETO, B.S., 1962  
ALFRED ADAM KUGLER, B.S., McMaster University, 1962  
TAE JOURN LIE, B.S., Seoul National University, 1958  
WILLIAM ROBERT LIEB, B.S., 1962  
JOHN HOOD LOWENSTEIN, A.B., Harvard College, 1962  
JERROLD LLOYD McNATT, B.S., Wheaton College, 1962  
EDGAR EUGENE MORRIS, B.S., Ottawa University, 1961  
MILES ANTHONY NELSON, B.S., 1962  
KAUNG NYUNT, B.S., University of Rangoon, 1959  
WILLIAM DOUGLAS PHELPS, B.S., University of Massachusetts, 1961  
ROBERT FRANCIS PIERRET, B.S., Case Institute of Technology, 1962  
CHARLES GORDON ROBBINS, B.S., Massachusetts Institute of Technology, 1961  
DAVID ALLAN ROBINSON, B.S., Stanford University, 1961  
FREDRICH ADAM ROHATSCH, B.S., 1962  
JEFFREY DAVID ROSENTHAL, A.B., Williams College, 1962  
ALEXANDER SHAPIRO, B.S., McGill University, 1961  
JOHN ERNEST SMITH, JR., B.S., Massachusetts Institute of Technology, 1961  
VICTOR G. STOTLAND, B.S., Illinois Institute of Technology, 1962  
ROY CANNON THATCHER, B.S., Stanford University, 1961  
THERESA SHU-YI WANG, B.S., National Taiwan University, 1960  
DAVID WALTER WILSON, B.S., 1961  
MARVIN JOHN WOODRING, B.S., Montana State College, 1959

*In Physiology*

- JAMES MELVIN FREED, B.S., McPherson College, 1961  
KEUN SHIL LEE, B.S., Yonsei University (Korea), 1959  
JERRY ROYCE REEL, A.B., Indiana State Teachers College, 1960  
JAMES MICHAEL WALIGORA, B.S., 1961  
HARVE CLARK WILSON, A.B., Indiana University, 1961  
JOHN DRENNAN WILSON, A.B., Carleton College, 1960

*In Plant Pathology*

- JAMES ARTHUR BAULING, B.S., 1961

*In Radio and Television*

- ROBERT ORAL ENDRES, B.S., 1962  
MARY ALICE MAYER, A.B., Clarke College, 1962

*In Recreation*

- DAVID LEE GOSSARD, B.S., 1961  
JAMES LEROY THOMAS, A.B., Cornell College, 1959

*In Sanitary Engineering*

- SAMBHUNATH GHOSH, B.Eng., University of Calcutta, 1956  
RICHARD PAUL KAPTAIN, B.S., 1954



LOUIS WILLIAM LEFKE, B.S., 1958  
DONALD WAYNE NEIBEL, B.S., 1961  
CHARLES HAYDEN SMITH, B.S., 1955

*In Speech Correction*

JUDITH ANN COOK, A.B., Mundelein College, 1962

*In the Teaching of Biological Sciences and General Science*

LAWRENCE BERNARD BRUEGGEMAN, B.S., 1952  
ROBERT KEITH HANSON, B.S., Illinois State Normal University, 1960

*In the Teaching of Chemistry*

KEITH MELVIN LEEDY, B.S., 1962  
MARVIN FRANCIS MEISSEN, B.S., 1958

*In the Teaching of Mathematics*

DAVID KYDD BATCHELOR, B.S., South Dakota State College, 1962  
FREMONT CHESTER FERCHEN, B.S., Niagara University, 1950  
DAVID PAUL LIEBCHEN, B.S., Capital University, 1962  
KENNETH LEE McCORD, B.S., Nebraska State Teachers College (Kearney), 1950  
INEZ WHEELER WESTGATE, A.B., Radcliffe College, 1961  
RONALD TODD WRIGHT, B.S., 1959

*In Theoretical and Applied Mechanics*

CARSON THURSTON BROWN, B.S., 1962  
PETER JANZEN, B.S., University of Alberta, 1961  
ERNEST VANCE LENZI, B.S., 1962  
JOHN DAVID MARTIN, B.S., Virginia Polytechnic Institute, 1961  
TOM MAX MULCAHY, B.S., 1961  
WALLACE WILLIAM NOLL, B.S., United States Military Academy, 1953  
CLAUDIO EDMONDO TODESCHINI, B.S., University of Capetown, 1959  
WILLIAM ALAN VAN DER SLUYS, B.S., Michigan College of Mining and Technology, 1961  
EDWARD MING CHI WU, B.S., 1960

*In Veterinary Medical Science*

MICHEL G. COTÉ, Certificate, School of Veterinary Medicine of Quebec, 1960  
BRONISLAW MENDLOWSKI, Vet.Physician, Veterinary College of Edinburgh, 1944  
HARRY AARON REYNOLDS, JR., A.B., Gettysburg College, 1952; D.V.M., University of Pennsylvania, 1956  
JAMES BRANNON SHARP, JR., D.V.M., University of Georgia, 1956  
LAL MADHO SINGH, B.V.Sc. and A.H., Agra University, 1960

*In Zoology*

ROLLIN DAVID ANDREWS III, B.S., Eastern Illinois University, 1955  
RUSSELL PAUL BALDA, B.S., Wisconsin State College (Oshkosh), 1961  
WILLIAM STEWART BROOKS, A.B., Ripon College, 1960  
LOIS STEVEN HAERTEL, B.S., 1961  
HAROLD WILLIAM LUNT, A.B., University of California (Santa Barbara), 1956  
JAMES WAYNE TATE, B.S., Northern Illinois University, 1960  
DONALD KRAFT UNDERHILL, A.B., University of Minnesota, 1959

**Degree of Master of Music**

DAVID LYMAN ALBEE, B.Mus.Ed., Evansville College, 1961  
JON WARD BAUMAN, B.Mus., University of Colorado, 1961  
BARBARA RAINWATER FOSTER, B.F.A., M.F.A., University of Georgia, 1958, 1960  
EDWARD GLEN HULL, B.Mus., Syracuse University, 1962  
ALBERT DUNNING KING, B.Mus., Houghton College, 1961  
KENNETH ROBERT MARSHALL, B.Mus., B.S., 1961, 1962  
ALAN MILLER PORTER, B.Mus., Mount Union College, 1961  
WILLIAM DONALD RANKIN, A.B., B.Mus., Oberlin College, 1961, 1961  
DAVID ROBERT WHALEY, B.Mus.Ed., Drake University, 1961  
RONALD ALVIN WORSTELL, B.Mus., 1961

## Degree of Master of Education

- CYNTHIA JANICE ALLEN, B.S., 1959  
 LORNA JEAN ANDERSON, B.S., Eastern Illinois University, 1958  
 JOHN EDWARD ARNOLD, A.B., University of Tulsa, 1960  
 ROBERT JAMES BECK, B.S., 1960  
 JAMES DOUGLAS BEMIS, B.S., Eastern Illinois University, 1959  
 HERALD EDWARD BINKLEY, B.S., 1958  
 HAROLD EMANUEL BLEHM, B.S., University of Maryland, 1959  
 ROBERT JAMES BRIGGS, B.S., Western Illinois University, 1960  
 CHARLES NED BROWN, A.B., McKendree College, 1958  
 DONALD ALAN BUSH, B.S., 1961  
 JOHN McTAGGART BUSTARD, B.S., 1960  
 ARNOLD NORBERT CAJET, B.S., 1957  
 ALPHONSE DUANE CERASOLI, B.S., Illinois State Normal University, 1961  
 JAMES CHRISTENSEN, JR., A.B., Barrington College, 1951; A.B., Millikin University, 1962  
 GRACE LOTTIE CHYNOWETH, B.S., Michigan State University, 1957  
 LOUISE LIENESCH CLEM, B.S., Southern Illinois University, 1949  
 WALTZ VERNON CONNER, A.B., University of Kentucky, 1952  
 HURLIE DAMERON COOSE, B.S., University of Missouri, 1960  
 MARVIN ARTHUR DAMRON, B.S., 1958  
 JOAN DAVIS, A.B., 1962  
 WAYNE LAVERNE DEAL, A.B., Greenville College, 1958  
 RICHARD CHARLES DEVECCHIO, B.S., Illinois State Normal University, 1960  
 NORMAN STANLEY DOUGLAS, B.S., Southern Illinois University, 1956  
 GERALD ULRICH FAIN, A.B., State College of Iowa, 1956  
 JOSEPH JEFFERY FINLEY, B.S., Bishop College, 1951  
 JAMES WILLIAM FORAN, B.S., Eastern Illinois University, 1960  
 LEROY JOHN FREDERICHES, B.S., 1959  
 SUSAN JEAN KAHL FUNKHOUSER, B.S., 1959  
 ANITA ELDER GAFFNEY, B.S., 1961  
 DELWIN LEE GERICK, B.S., Eastern Illinois University, 1957  
 JERRY LEE GIFFORD, B.S., Illinois State Normal University, 1958  
 MARCIA GLASGOW, B.S., 1961  
 FLORENCE ROBERTS GOEDDE, A.B., Washington University, 1956  
 JERRY LEE GREER, B.S., Central Missouri State College, 1960  
 MARTHA JACOBS HARKIN, A.B., Syracuse University, 1961  
 MARTHA HUXTABLE HARRIS, B.S., 1962  
 WILLIAM EDWARD HAWORTH, B.S., Ball State Teachers College, 1959  
 EDWARD EARL HAYES, B.S., Illinois State Normal University, 1955  
 DWIGHT GEORGE HECKERT, B.S., 1962  
 MARGARET MARY HEISCHMIDT, B.S., Eastern Illinois University, 1959  
 BETTY BLACK HENRY, B.S., 1959  
 LAUREN EDWARD HOLLINBERGER, B.S., Iowa State University, 1957  
 ROY HULFACHOR, B.S., Indiana State Teachers College, 1954  
 FRANK LUCIEN JAMBOIS, B.S., 1958  
 JOHN DAVID JOHNSON, B.S., 1959  
 YOSHIKO NAKAHIRO KANAZAWA, A.B., University of California, 1957  
 MARY TERESA KELLY, B.S., Marquette University, 1954  
 ROBERTA JOHNSTON KEMMERER, A.B., Pennsylvania State University, 1950  
 WILLIAM JOSEPH KOUBEK, A.B., Illinois Wesleyan University, 1958  
 BILL WYNNE LASH, B.S., Eastern Illinois University, 1959  
 CHARLES EDWARD LAWS, B.S., Northwestern University, 1958  
 DONALD LYNN LUDDEKE, B.S., Western Illinois University, 1958  
 AGNES IONE MAJERNIK, A.B., College of St. Francis, 1959  
 SANDRA LOU MAXWELL, B.S., Greenville College, 1961  
 BARBARA ANN MAYER, A.B., Knox College, 1958  
 DONALD EARL MCCOLLE, B.S., Illinois State Normal University, 1961  
 HOWARD FRANKLIN McMANUS, B.S., United States Military Academy, 1936  
 LEE OTIS MIEVRE, B.S., Eastern Illinois University, 1952  
 LEWIS EDWARD MONCRIEF, B.S., 1946  
 RICHARD THOMAS MORMINO, B.S., Eastern Illinois University, 1957

DONALD RICHARD NEFF, B.S., Ohio State University, 1957  
 IN YOUNG O, A.B., Seoul National University, 1955  
 ETHEL ILKE OAKWOOD, B.S., 1931  
 DIANE RAE PRENTICE, B.S., Bowling Green State University, 1955  
 HAL EUGENE PRICHARD, B.S., Millikin University, 1959  
 HUGH RAINES, B.S., George Peabody College for Teachers, 1958  
 HERBERT JOHN RAPLEY, B.Gen.Ed., University of Omaha, 1955; B.S., University of Maryland, 1958  
 ANNA MAE TRIZNA REPKE, B.S., College of St. Francis, 1960  
 PHILIP CARLTON RICE, B.S., Northern Illinois University, 1960  
 DAVID WALTER RITCHIE, B.Ed., Eastern Illinois University, 1939  
 PHILIPPA WARBURG ROGGE, A.B., B.S., University of Wisconsin, 1948, 1950  
 SAFIJA SARICH, B.Ed., Chicago Teachers College, 1954  
 ELAINE HELEN SCHMITT, B.S., Bradley University, 1955  
 BARBARA JEANE SCHOR, B.S., 1959  
 NANCY JEAN SCHREIBER, B.S., 1962  
 PAULINE PARKER SCHRIER, B.S., 1932  
 MARCIA MCKEE SEDGWICK, A.B., Monmouth College, 1952  
 MARGARET ELLEN SHALLCROSS, A.B., Beloit College, 1961  
 MARY INGRAM STAYTON, B.S., 1958  
 DOROTHY CLAIRE FAUST STEPHENS, A.B., Swarthmore College, 1961  
 BETTY JO SUHR, B.S., Eastern Illinois University, 1959  
 DONALD RAY SWALLOW, B.S., Illinois State Normal University, 1959  
 EDWIN MCMUNN SWENGEL, A.B., 1938  
 ROBERT WAYNE TUCKER, B.S., Culver-Stockton College, 1958  
 LINDA GAVAN WARD, B.S., Pennsylvania State University, 1962  
 THOMAS FRANKLIN WARREN, A.B., Augustana College, 1961  
 MARTIN TRUMAN WHITED, B.S., 1954  
 WILLIAM ROSS ZBINDEN, B.S., Illinois State Normal University, 1960

#### Degree of Master of Social Work

ESTHER STARK BALKAN, A.B., Roosevelt University, 1960  
 MILDRED GREEN BERMAN, A.B., Roosevelt University, 1961  
 MARY SUSAN BOARDMAN, A.B., Carleton College, 1959  
 ELIZABETH CHUBB BROWN, A.B., Roosevelt University, 1957  
 SONDR A MARIE BRUNKE, B.S., Loyola University, 1954  
 BARRY JEFFREY CANE, A.B., University of California (Los Angeles), 1961  
 NAN CHRISTINE CHAPIN, A.B., Carleton College, 1955  
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 MERLE WILBUR FUNK, A.B., Wartburg College, 1956  
 BEATRICE GERSHOWITZ, B.S., University of Wisconsin, 1960  
 BARBARA ANN ROYER GRAHAM, A.B., Willamette University, 1961  
 CHARLES ALBERT HANDLEY, JR., B.S., Michigan State University, 1959  
 DAPHNE CHALMERS-FRANCIS JOY, A.B., Roosevelt University, 1961  
 HELEN BJELLANESS LINDQUIST, B.S., University of Minnesota, 1947  
 CHARLOTTE ELIZABETH MAY, B.S., 1960  
 DAVID WILLIAM MCCREATH, B.S., Iowa State University, 1957; B.D., McCormick Theological Seminary, 1961  
 DOROTHY EMILY MIKA, A.B., Roosevelt University, 1961  
 UNA LEE MANUEL PATTON, A.B., MacMurray College, 1959  
 SYLVIA DORECIA SUDDETH RAGLAND, A.B., Lincoln University, 1955  
 PHYLLIS ELLEN RAUTH, A.B., DePauw University, 1957  
 MARY ROBERTA BARR REED, A.B., Illinois Wesleyan University, 1961  
 MARCELENE MAY REICH, A.B., Heidelberg College, 1960  
 HENRY KRISTIAN RONNOW, A.B., Macalester College, 1959  
 GREGORY CHARLES RUDOLPH, A.B., Loras College, 1960  
 ROBERT EDWARD SCHACHT, B.S., Greenville College, 1961  
 SYLVIA JO SCHLUETER, B.S., 1959  
 MARTHA JANE SHUPACK, A.B., Adelphi College, 1959  
 GEORGE HERMAN SPRIGGS, A.B., Alma College, 1956; B.D., Princeton Theological Seminary, 1959  
 BRUCE CHAFFEE TURNER, A.B., Millikin University, 1961

**Degree of Master of Fine Arts***In Landscape Architecture*

KEIICHI SHINODA, B.S., Chiba University (Japan), 1960

*In Painting and Printmaking*

JOHN ROBERT CRAYNE, B.F.A., 1960

RICHARD ALAN LAZZARO, B.F.A., Kent State University, 1961

JUDITH ANN STEWART, B.F.A., Syracuse University, 1961

AGNES BRADLEY TAUGNER, B.F.A., 1954

KARL HEINZ WOLTER, B.F.A., Syracuse University, 1961

**Degree of Master of Accounting Science**

HILDING DALE CARLSON, B.S., 1962

DAVID LAWRENCE DE MOTTE, B.S., Eastern Illinois University, 1962

FRANK JAY KOSTER, B.S., 1962

HARRIS NASUTION, B.S., 1962

ALLAN SEYMOUR ROSENBAUM, B.S., University of Colorado, 1962

STANLEY IRWIN ROSENTHAL, B.S., 1962

R. ARIFIN WIRAKUSUMAH, B.S., 1962

**Degree of Master of Architecture**

WILLIAM KASE DAVIS, B.Arch., 1960

ROBERT JAMES SCHILL, B.Arch., 1962

LAKSHMI CHAND SHARMA, B.Arch., University of Delhi, 1960

CHIH-CHUN TIEN, B.S., Taiwan Provincial Cheng Kung University, 1960

**Degree of Master of Comparative Law**

GREGORIA SOAN ONG, A.B., University of the Philippines, 1954; LL.B., University of Manila, 1958

**Degree of Master of Commerce**

EDWARD THOMAS O'MEARA, B.S., Washington University, 1957

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**Degree of Master of Business Administration**

STEPHEN EARLE BENSON, A.B., Augustana College, 1961

RICHARD MAX BURTON, B.S., 1961

DANNY JOSEPH LAUGHUNN, B.S., 1961

THOMAS EDWARD MESETZ, B.S., 1961

RANDAL MCCRILLIS SMITH, B.S., 1961

**Advanced Certificate***In Education*

RICHARD KEITH CHERRY, B.S., Ed.M., 1950, 1959

RICHARD DIX DOLES, B.S., M.S., Butler University, 1956, 1962

JOSEFINA VILLANUEVA ESTOLAS, B.S., Far Eastern University (Philippines), 1958; A.M., University of Nebraska, 1961

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EMMITT CHARLES JEFFRESS, B.S., Ed.M., 1952, 1958

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HENRY CHARLES MEYER, B.S., Ed.M., 1950, 1951

EDWARD MIGUELICZ, B.S., Southeast Missouri State Teachers College, 1944; M.S., 1950

ALVIN HARRIS MOELLER, B.S., Eastern Illinois University, 1953; Ed.M., 1958

EVELYN MAE MOYLE, B.S., M.S., Northern Illinois University, 1951, 1954

WILLIS CALVERT RARDIN, JR., B.Ed., Eastern Illinois University, 1947; M.S., 1950

JEWELL BUTLER WILLOUGHBY, B.S., Ed.M., University of Louisville, 1956, 1962

NORMA ROEVER ZIMMER, B.S., Ed.M., 1941, 1957

*In Music Education*

HOWARD DEWITT JOHNSON, B.Mus.Ed., M.Mus.Ed., Municipal University of  
Wichita, 1957, 1958

**COLLEGE OF AGRICULTURE****Degree of Bachelor of Science***In Agriculture*

GARY MICHAEL ABERNATHY	DAVID STEVENSON KILLEY
HERBERT ELDO ADAMS	GEORGE OTTO KRAHN
ANTHONY AKINOLA AGBOOLA	EDWARD HARPER LEONARD
LANNY EARL ANDERSON	ROGER WILLIAM LOUDON
SAMUEL ROBERT ATAI	MORRIS DAVID LUCK
ROBERT GALE BAKER	CLINT WILLIAM MAGILL, High Honors
PETER JAMES BARRY, Honors	JAMES LOUIS MANTHE
MAURICE WALTER BELL	RONALD VAUGHAN MAYS
ALLEN ROBERT BOLLMAN	DONALD RAY MCCORMICK
STEPHEN MICHAEL BROMAN	CEDRIC SEYMOUR McCULLOCH
JERRY RAYMOND BROOKHART	LAVERNE JAMES MCGINNIS
HARVEY AL CARLEY	LARRY GENE MELHOUSE
THOMAS WAYNE CLARK, Honors	WILLIAM ROBERT MULLINS
DALE EUGENE COCHRAN	JAMES WARREN MUNTON
WILLIAM ROBERT COLE, High Honors	DAVE LEE MUSSULMAN, Honors
ROBERT JOHN CONDON	LEON BERTON PERKINSON
JOSEPH MICHAEL CORBIN	MAX ARNOLD PETERSON, High Honors
WILLIAM CLARENCE CRABBS	FRANCIS CLYDE PIERSON
WALTER CLARENCE CRACKEL	ROBERT JOSEPH REBER, High Honors
DANIEL JOHN DOEDTMAN	RICHARD GENE REHN
CHARLES BOWERS DOUBET	MARTIN GERALD RINK
PATRICK ARTHUR DUFFY	ROGER JOSEPH RONEY
DALE WILLIAM FATHAUER, Honors	WAYNE LEROY SAMESON, Honors
JOHN OWEN FINDLAY	DONALD GENE SARGEANT
WILLIAM HEDRICK FUGATE	GERALD THOMAS SCHELLING
JERRY DEAN GARD	DALE ELDON SCHROEDER, Honors
GERALD DAVID GEHLBACH	MELVIN KENTON SCHUH
THOMAS JOHN GELWICKS	BRYCE ARLEN SIDES
DAVID GLENN GILCHRIST	ROBERT ALLEN SINCLAIR
CHESTER LEE GOODRICH	KENNETH LESLIE SMITH
LYNN IRVIN GOSNELL	DONALD JAMES SNODGRASS
ELDON FRANCIS GOULD	RONALD LEE STICKLER, Honors
DAN WESLEY GOUWENS	EDWARD FRANCIS STOKES
RUSSELL THOMAS HAINLINE	JOHN SHARON TEUSCHER
JAMES JACOB HAMMOND	KENNETH DEANE THOMAS, Jr.
PAUL GEORGE HARMS	DANIEL EUGENE VOGLER
ROBERT LEROY HATCH	ROGER DAVID WENBERG
JERRY LEE HOFFMAN	CRAIG OWEN WESNER
DENNIS LEE HOHLBAUGH	WILLIAM HENRY WILSON
WILLIAM MARK HULL	JOHN DAVID WITZIG
DAVID LEE INSKEEP	FRANK JAMES WOODING
DAVID MARTIN JAHN	JAMES PAUL WOODS
HENRY ALOYSIUS KATTNER	CHARLES STEWART ZEIGLER
THOMAS STEPHEN KAVELMAN	MARK DANIEL ZIMMERMAN

*In Dairy Technology*

THOMAS EDWARD CAIN	PAUL REID HOCKING
GARY DUANE FLICKINGER	KENNETH EDWARD ROBERTS
DENNIS THEODORE GORDON	GEORGE LOREN SCHAUFELBERGER

*In Floriculture and Ornamental Horticulture*

MICHAEL JAMES HEALY, Honors	THEODORE ERNEST KUPFERSCHMID
MERLE LOUIS KRAUSE, Jr.	LARRY GENE ROSE

*In Food Technology*

LEO WILHELM QUIRK, Honors

*In Forestry*

RONALD THOMAS ANDERSEN  
JOHN ALLEN BILLINGSLEY  
MICHAEL EDWARD HITTMEIER  
MERRILL RAY KAUFMANN  
ROBERT ANTHONY KUNDROT

RONALD LEE LAECHELT, Honors  
RICHARD LEE LISTON, Honors  
DONALD REX PAYTON  
HOBART HENRY RILEY

*In Home Economics*

ELIZABETH ELAINE ARMSTRONG, High Honors

REBECCA WEST BEELER  
SANDRA PAVLOVIC BOLAND  
BEVERLY JEAN BOLLMAN  
MARY MARGARET CLARK  
FLO ELLA CORZINE  
NINA ELIZABETH EASTMAN  
SANDRA LEE FREW  
GAY ANTONIE GALLE  
DENA JILL GALLEHUE  
NANCY MASON GREGORY  
RUTH ANN GROFFEL  
MARETA LOU HAYES  
JANET LEE IRICK, High Honors  
REBECCA JOAN KEPLEY, Honors  
MARY LYNNE KIRCHNER, Honors  
DEANNA CAROLE KIRSCHBAUM  
MARY SUE KNUFFEL  
DORIS JEAN LUM  
LYNDA KAY MIDDENDORF  
JUDITH LOUISE MOHAN  
ELIZABETH CUNNINGHAM MOULTON  
KOLLETA YVONNE MOYES

NELLIE McLAUGHLIN NICHOLSON  
MARGARET HERZER OLSON  
JOANNE DOROTHEA PAULSEN, High Honors  
JOANNE ELIZABETH PETTY, High Honors  
JUDITH ANN PROCHNOW  
SHARON FRANCES REIFSTECK  
RUTH HELEN REINTS  
SUZANNE MCGILL ROSS  
LYNN LUCILLE SCHAEFER  
SUE ANN SCHIERHOLTZ  
RITA LAUTERBACH SCHLUETER, Honors  
BARBARA ANN SCHUMACHER  
PAULINE LOUISE SEEFELDT  
SALLY JOANNE SHIPP  
JUDITH KAY SMITH  
CAMILLE JANET STAGG  
HYO CHUNG SUH  
JEAN MARIE SUTRINA  
BONNIE MARIE SWANSON  
JANET HAJEK VANCATA  
CAROLYN ROSE VIRUS, High Honors  
MARLENE SUE YONTZ

*In Home Economics Education*

MARGARET COOGAN BLANFORD  
JANE BRISSENDEN  
KAREN CREMIEUX BROWNE  
VERA RUTH DEAN, High Honors  
SHARON ELAINE EARNEST  
BRENDA FISHER FERGUSON  
SANDRA JANE GASS

PHYLLIS ANN GILMORE  
JOYCE COOK GOGGIN  
HARRIETT JEAN GROSS  
NANCY JEAN HARTMAN  
SUE ANN RAMSAY, Honors  
ARDIS MAUREEN REWERTS, Honors  
JUDY SUE WHITTAKER

*In Restaurant Management*

ELEANOR STERNAMAN CURRY  
KARL PETERSON WEST

ANTHONY JOSEPH ZEPPEBELLA

## COLLEGE OF ENGINEERING

## Degree of Bachelor of Science

*In Aeronautical and Astronautical Engineering*

JAMES MICHAEL ADELL  
LARRY SCOTT BENDER, Highest Honors  
ALEXANDER HENRY CAVENAILLE  
ROBERT PANG CHEN  
WALTER STEPHEN CRAIGLE  
WILLIAM HOFMANN DRYSDALE, Honors  
GERALD QUICK GUSTAFSON  
WILLIAM EDWARD HARTUNG, High Honors  
STEPHEN CAMPBELL HENDERSON  
GEORGE FRANCIS HERBST  
BRIAN DENNIS HICKEY  
FRANK WILLIAM HUBER

JAMES CAMPBELL JONES  
WILLIAM JOSEPH KARGER  
DONALD JOSEPH KOETTING  
BERNARD FREDERICK KRUEGER  
ROBERT VINCENT KUNZMANN  
WILLIAM THEOPHILE LEWERENZ, Honors  
MICHAEL GENE MARION  
LARRY PHILLIP MCGINNIS  
HAROLD EVAN MEISTERLING  
WILLIAM HENRY NOTTINGHAM  
RAYMOND SAMUEL OLIVER  
GLENN GILBERT ORMBREK

JOSEPH PALERMO  
KENT ARNOLD PINTER, Honors  
ROY TIMOTHY SCHEMENSKY, High  
Honors

JEFFREY HERMAN SCHMIDT  
NEIL BARRY SIEGEL  
RICHARD HAINES WATSON, Honors  
WALTER LESLIE WEAVER, Honors

*In Agricultural Engineering*

MERVIN GEORGE ADEN  
RICHARD GLENN CARLSON, Honors  
PATRICK ARTHUR DUFFY

RONALD GEORGE STASELL  
BERNARD ROBERT TENNES  
JERRY ROLAND WEIBEL

*In Ceramic Engineering*

CHARLES MARTIN ASLASKEN  
JAMES RAYMOND FRIEDRICH  
RICHARD SHARPLESS HARMER III  
DAVID CHARLES JOHNSON  
HAROLD SHELTON KANOST  
DAVID HERBERT LINDSTROM  
LAWRENCE LEE MARTIN  
THOMAS JOSEPH MILLIKEN

JERRY ALLEN MOSBARGER  
JEROME ROBERT O'DONNELL  
WILLIAM HOWARD PAYNE  
ROBERT PAUL RADTKE  
RALPH EDWARD ROSE  
CLIFFORD GERALD RUDERER, Honors  
ROBERT ALAN VERNETTI

*In Civil Engineering*

GEORGE MICHEAL ANSELMO  
DON PAUL ARMSTRONG  
RAYMOND ARTHUR BEAZLEY  
DAVID NATHAN BILOW  
JERRY DEE BRAND  
BERNARD JOHN CASEY, High Honors  
RONALD LEE DAY  
RICHARD YOUNG EMERSON  
RICHARD KINGO FUCHINO  
DENNIS HOWARD FURBY  
WILFRED GILTNER  
WOODROW HARRY GUMP  
RICHARD LYNN HOLMES  
DANIEL WHAM HOYT  
DONALD EUGENE JANKA  
GEORGE FRED JENNINGS  
ODD HARALD JOHNSRUD  
RICHARD JOHN KOLODZIEJ

JACK HOWARD KOTTER  
PAUL FREDERICK KRAMER  
WILLIAM ANTHONY KREUTZJANS  
MARTIN LEITER  
STEVE PETER LIMBERS  
GERALD LEE MARTOGGIO  
GERALD LAWRENCE PETERS  
RICHARD LOUIS PLAMBECK  
JOHN JAMES SADZEWICZ  
CONRAD OTTO SALTENBERGER  
SPYROS HAR SILLAS  
DENNIS WILLIAM STOLLDOFF  
LARRY DALE STROUP  
CARL EDWARD TURNQUIST  
JAMES MELVIN VASCONCELLES  
DENNIS BERNARD WARNER  
JAY LOUIS WERTH

*In Electrical Engineering*

STANLEY CASIMIR ANTOSZ  
FRANCIS OLWELL ARCHER, Jr.  
ROBERT BALDACCI  
JOHN ELLIOTT BAMBERGER, High Honors  
MARK GEORGE BARMANN  
PAUL ANTHONY BOEING  
KENNETH JAMES BREEDING  
JOHN RUSSELL BUNTING  
WILFRED CLIFTON CADWELL  
DUANE GREGORY CARLSON, Highest  
Honors  
ROBERT JOHN CATTOIR, Highest Honors  
GARY WAYNE CHESNEY  
RONALD LEE CHISENHALL  
RICHARD WALTER CIESLA  
ARTHUR JOHN COLLMEYER, High  
Honors  
DAVID ALLAN CONNOLLY  
STEPHEN HARLAN CURRY  
DHIMAT RATILAL DESAI  
WILLIAM JOHN DEVEY, Jr.  
KIRBY TRENT DIXON, Honors  
DONALD LOUIS DOMINIC

GARY JOSEPH DRINAN  
JOHN PAUL DYBEN  
JOHN THEODORE EHLE III  
RICHARD ALLEN ERLANDSON  
CALVIN RAY EVANS  
DALE HARRY FENCKEN  
RAFAEL FERNANDEZ-SEIN, High Honors  
GARY NORMAN FIERSTIEN, Highest  
Honors  
DALE ARTHUR FOGLE, Highest Honors  
THOMAS EDWARD FORD, High Honors  
JAMES WILLIAM GALVIN  
GERALD LEE GIACOMINO  
ELLIOT HOWARD GOLDMAN  
DENNIS BERTON GRANTHAM  
DOUGLAS MICHAEL GRIMES  
RICHARD CLAUDE GRISWOLD  
EDUARDO GUTIERREZ LEON  
FREDRICH JOSEPH HABER, High Honors  
EUGENE LAWRENCE HAGGERTY  
JOHN RICHARD HAJOSTEK  
ARTHUR HARRIS HARDY, Jr.  
RICHARD LOUIS HAUSER

RAYMOND LAWRENCE HAWKINS  
LUBOMYR PETER HAWRYLUK  
JAMES PHILLIP HERNER, Highest  
Honors

RALPH WILLIAM HOLM  
RONNIE ALLAN HOYT, Highest Honors  
WILLIAM BARNUM JENKINS  
RICHARD ALAN JOHNSON  
WAYNE EDWARD JOWASKY  
JAMES JOSEPH KASPAR  
PAUL ALPHONSE KASSEL  
LYNN ORIS KESLER  
AHMAD MOHAMMAD KHORSHID  
GEORGE JERRY KOHOUT  
PAUL MICHAEL KOLESAR  
MICHAEL EDWARD LARKIN  
RICHARD GALE LEEDS  
ROGER BLAINE LIGON  
RAYMOND LUCIEN LOISELLE, High  
Honors

EDWARD ABRAHAM MARK, Honors  
DAVID ANTHONY MARKEY  
FRANCIS JOHN MARTIN  
RALPH EDMUND MARTIN  
JOSEPH HENRY MCCONAGHIE, JR.  
DAVID ERNEST MCCORMICK  
EDWIN RAYMOND MCCULLOUGH,  
Honors

WILLIAM PAUL MCDOWELL, Honors  
DAVID WARREN MEINERT  
KENNETH JOHN GEORGE MILLER, JR.  
RALPH EDWIN MOORHOUSE  
JOHN EDWARD MORONEY  
GERALD EDWIN MUELLER  
JAMES WILLIAM MUELLER  
ROBERT EUGENE MUNSON

FRANK JAMES NACHMAN  
ANDREW RICHARD NEUREUTHER,  
Highest Honors  
DANIEL JOSEPH NEWTON  
WERNER RONALD OILE  
WILLIAM EDWARD OLSON  
JAMES ALLEN PAMPE  
JON HENRY PAYNE  
DAVID ELLIOT PERKINS  
EUGENE GERALD PETERSON  
HOWARD COOPER PETERSON  
PHILLIP GEORGE PFLUEGER  
DONALD JOHN POWERS  
DAVID ALLAN PREVES  
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HARRY THOMAS ROCHE  
JACK ALLEN ROSENTHAL  
GERALD LAURENCE ROSKI  
WILLIAM LEE SCHALLHAMMER  
THOMAS FRANK SCYGIEL  
JAMES RICHARD SKAGGS  
JOSEPH JULIUS SMITH  
HENRY ARMSTRONG SPELLMAN, Honors  
THOMAS ANDREW STUART  
ALLEN DAVID SYPHERD  
MICHAEL STUART TAMKIN  
ROBERT JOHN TERTEL  
IRWIN EVAN TUCKMAN  
TERRY BEN TVAROH  
RICHARD LEE VOTOU PAL  
EMORY ALBERT WAKAT, JR.  
GEORGE HARRY WARREN  
GEORGE ROBERT WILLENBORG  
ROGER RAWHY YAMINY, Honors  
THOMAS MICHAEL ZIMMER  
THADDEUS JOHN ZURAWSKI, JR.

#### *In Engineering Mechanics*

JOHN LEARNED FORD  
ELMER ROBERT GIESE, JR.  
RICHARD DIXON GILLIS, Honors  
HENRY FREDERICK JOHNSON  
JULIUS MYRON ROTHSCHILD

DAVID HOWICK RUSSELL  
WILLIAM GEORGE STEINER  
WARREN ALLEN THURSON  
GEORGE HELM URSIN

#### *In Engineering Physics*

EDWARD MICHAEL BOHN  
DENNIS DEE BRUNNENMEYER  
WADE MONROE CARLL  
WILLIAM EDWARD COLLINS  
HAROLD ALAN DAVIS  
DAVID ROPP EARLES, Honors  
ROBERT CHARLES ECKARDT  
KENNETH EDWARD EVANS, JR., Honors  
DONALD URBAN GUBSER, Honors  
ROBERT EUGENE HETRICK, High  
Honors  
JOSE KATZ-MASSON, High Honors  
WIESLAW LUDWIK LICHODZIEJEWSKI  
JERRY EDWARD MINNEAR

ALTAN MUSTAFA OZEN  
VYTAUTAS VICTOR PALCIAUSKAS,  
Honors  
ARVYDAS PAUL PAULIKAS  
DAVID GEORGE SCHAEFFER, Highest  
Honors  
MAURICE LEON SCHIFF  
JAMES FREDERICK SHUNK, Honors  
ROBERT CURTISS STRAUSS  
THOMAS ANTHONY TUMOLILLO  
BARRY LESLIE WERNER, High Honors  
LARRY ALLEN WEST  
CONRAD ANTHONY WILGUS

#### *In General Engineering*

DENNIS WINFRED ANDERSON  
WARREN JAMES BROLL

CHAMP WILBURN DAVIS, JR.  
THOMAS ERNEST DOW



BOYD LEW HARROLD  
 GERALD KEIJI KITA  
 JOHN ROBERT KORNGIEBEL  
 JOHN GRAHAM LAURENSEN  
 WALLACE JAY LOVELACE  
 CONSTANCE JEANETTE MAYER  
 THOMAS ROBERT METZGER  
 CHARLES KENNEDY MEYERS  
 MICHAEL ROBERT PHILLIPS  
 INNO RASINA  
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HERBERT JAY SINGER  
 LARRY GORDON STAFF  
 DARRELL EUGENE STOLL  
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 DAVID IVAN TATMAN  
 JAMES KENNETH TAYLOR  
 CHARLES HENRY THOMAS  
 EDWARD CARL WAHL  
 ROBERT ARCHIE WATSON  
 RICHARD DUANE WILEN  
 KENNETH DWAYNE WOODS

*In Industrial Engineering*

CHARLES EVERETT ALM, Honors  
 MANUEL JOSÉ ALVAREZ ARANGO  
 HART ALDEN FISHER  
 THOMAS GARDNER  
 RICHARD WALLACE HIGGINS  
 WAYNE GLENN JOHNSON  
 RAYMOND JOSEPH KELLY  
 LARRY WALLACE KROFF  
 MELVIN STANLEY LELKO

RICHARD MICHELSEN  
 JAMES PHILIP MILLER  
 JULIO PALACIOS TOBON  
 CHARLES EARLE PERRIN  
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 BEN JAY ROSENTHAL  
 RICHARD EARL THOMPSON  
 ROBERT KIRK ULMAN  
 MARK EDWARD WESTERLAND

*In Mechanical Engineering*

JAMES ALBEN BAUER  
 CHARLES STEPHEN BESHORE  
 BURDETTE LESLIE BOERS  
 GEORGE THURM BROCKMAN, Honors  
 NEIL FRANKLIN BROWN  
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 THOMAS JOSEPH BUBULA  
 BENICIO IGNACIO DUSSAN VILLAVECES  
 ROBERT JAMES FRYE  
 NEAL FREDRICK GILLERAN  
 DONALD LAWRENCE GIMBEL  
 ROBERT ARTHUR GLOMB  
 EDWARD ROBERT GROSS  
 BRUCE ALAN HAYES  
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 BRIAN JOHN LEWIS  
 KENNETH FRANK LINDGREN  
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 ROBERT GERALD MCKINNEY

JORGE ENRIQUE MORALES-BECERRA  
 MARCOS FRANCISCO NAKAGAWA  
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 JOHN ANTHONY SATTI  
 MICHAEL ALLAN SCHLUETER  
 L. D. SHOTTS  
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 ROSS NELS STAHL  
 EDWARD JOHN STEHNO  
 CHARLES HENRY STOLL, High Honors  
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 CHARLES TAYLOR THOMPSON  
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 GARY LEE UPTON  
 FRED JAMES VAHLKAMP  
 PAUL EUGENE VALENTINO  
 RICHARD GLENN WILKIN  
 KENNETH JOHN WILL  
 LARRY WONG  
 JONAS ZUBINAS

*In Metallurgical Engineering*

DENNIS SCOTT ACUNCIOUS  
 ALBERT NOLAN ASHURST  
 MICHAEL NORMAN COHEN  
 TODD JAY HERD  
 LOWELL MARTENS HOFFMAN

RAYMOND CARL ROESCHLEIN  
 JERRY LEE SCHUSTER  
 SYLVESTER SCOTT  
 ALBERT THOMAS WENDT

*In Mining Engineering*

MANOUTCHEHR HEIDARI

## COLLEGE OF LIBERAL ARTS AND SCIENCES

## Degree of Bachelor of Arts

*In Liberal Arts and Sciences*

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CARL DAVID BAILEY  
GLENN RUSSELL BAIRD  
MYRNA LYNN BAKER  
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LOUISE MARIE BUSCH  
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CONSTANCE ASPER CAMERON  
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MAXINE LEAH COHEN  
NANCY EDES COHEN  
ALLAN LEE COLE  
LYNNE COLEMAN  
POLLY CONDIT  
MARY ELIZABETH CONEY  
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WALTER ANDREW DAHL  
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LLOYD DOUGLAS DAVIS  
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MICHAEL H. EISERMAN  
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 tinction in Economics  
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 eral Arts and Sciences with Dis-  
 tinction in History  
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 Highest Distinction in Russian  
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 eral Arts and Sciences with Dis-  
 tinction in Speech  
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 and Sciences  
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 eral Arts and Sciences with High-  
 est Distinction in Physics  
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 JUDITH JANE SMITH  
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 MICHAEL DAVID STODDARD  
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 JOAN LYNN SUMMERS  
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 HITOMI TATSUI  
 WILLIAM WALLACE TAYLOR, JR.  
 JONATHAN THOMAS

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 JOHN ARTHUR UNROE  
 ADRIANNE NUDELMAN VARHULA  
 BARRY LAURENCE VISHNY  
 LAURA JANSON WADDICK  
 CAROL RUTH WALDFOGEL  
 JOAN MARY WALTHER  
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 GWEN JOYCE BUCK, Honors in Liberal Arts and Sciences  
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 JANET RAE CHISHOLM, Honors in Liberal Arts and Sciences  
 CAROL MITZEN CHRISTENHOLZ, Honors in Liberal Arts and Sciences  
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DIANA MAE WURSTER, Honors in Liberal Arts and Sciences

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LAUREL ELIZABETH VESELY

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SHIRLEY KATHRYN SMITH, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
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LYNN KRISTOFFERSEN WOERNER

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DIANE MICHELE GLEASON  
MILDRED IRENE GRESCH  
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SUSAN ELIZABETH HOTCHKISS, Honors in Liberal Arts and Sciences

MARTHA ANN LACKEY, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
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DONNAMAE LEVINSON  
LINDA MANN, Honors in Liberal Arts and Sciences  
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EDYTHE ANNE RANDOLPH, Honors in Liberal Arts and Sciences  
SUSAN GAIL SCHULTZ, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
JANON TUCKER SHELBY  
JANET LOUISE SHUMAN, Honors in Liberal Arts and Sciences

*In the Teaching of Spanish*

JULIA ANN BUCK, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

LAUREL ANN CAPP, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum

SANDRA DEE CLAYMAN  
PATRICK HENRY DUST  
MARGOT ELLEN FISHER  
DONNA ROHR NEVUS

MARLANNE JOAN SCHARF, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
MARILYN FRANCES TRIEBEL

*In the Teaching of Speech*

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PATRICIA ANN CURTIS  
ELIZABETH FRANK  
JUDITH MENKE GARNEAU  
LINDA JOYCE GRAZULIS

BARBARA JANE HERMLING, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
CHARLOTTE CATHERINE WISER

**Degree of Bachelor of Science**

*In Chemical Engineering*

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in Liberal Arts and Sciences with  
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LEE EDWARD BRECHER, Honors in Lib-  
eral Arts and Sciences with High  
Distinction in the Curriculum  
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Arts and Sciences  
DAVID ELMER EARLS, Honors in Liberal  
Arts and Sciences with Highest  
Distinction in the Curriculum  
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Liberal Arts and Sciences  
WILLIAM JOHN HOLLY, Honors in Lib-  
eral Arts and Sciences  
ALLEN ARTHUR KOZINSKI, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in the Curricu-  
lum

CARL YA MAN  
ROBERT BRUCE MATHESON, Honors in  
Liberal Arts and Sciences  
THOMAS JOSEPH OHLEMILLER, Honors  
in Liberal Arts and Sciences  
SHANTI MOHAN RAJAN, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
BHARAT RAMNIKLAL SHAH  
RICHARD FREDERICK SUTTON, JR., Hon-  
ors in Liberal Arts and Sciences  
with Distinction in the Curriculum  
JAMES FLOYD TONJUM  
ALEX JAY VOGEL, Honors in Liberal  
Arts and Sciences with High Dis-  
tinction in the Curriculum

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Liberal Arts and Sciences with  
Distinction in the Curriculum  
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Liberal Arts and Sciences  
JOSEPH WILLIAM BRUCKMAN  
GLEN ALVIN CARLS, Honors in Liberal  
Arts and Sciences with Distinction  
in the Curriculum  
HARLAN EUGENE CLARK, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
CLARKE JOSEPH HALFMAN  
ALAN BRUCE HOFFMAN, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in the Curricu-  
lum  
JOHN EDWARD KAUFMAN, Honors in  
Liberal Arts and Sciences with  
High Distinction in the Curriculum  
LEWIS MICHAEL KOPPEL, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in the Curricu-  
lum

JOSEPH BELSLEY MILES, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in the Curricu-  
lum and with Highest Distinction  
in Mathematics  
MARK LLOYD MILLER  
MARTHA KAREN MILLER  
GARY LEROY MOWDER  
PHILIP EDWARD NICPON  
CARL WILLIAM SIGEL, Honors in Lib-  
eral Arts and Sciences with Dis-  
tinction in the Curriculum  
JAMES ANTHONY SPUBICH, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in the Curricu-  
lum  
THEODORE GUSTAV WAECH, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
EUGENE LO WEI, Honors in Liberal  
Arts and Sciences with Distinction  
in the Curriculum  
JON EDWARD WEINZIERL  
ROBERT AUGUST WHITE

*In Liberal Arts and Sciences*

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FLAVIA GABRIELLE AGNELLO

CARL EDWARD ALLISON  
RONALD GAIL ALTIG

SHELDON ALTSCHUL  
 SUSAN APPELGATE  
 WILLIAM ALEXANDER AYER, JR.  
 BONNIE BAYMILLER, Honors in Liberal Arts and Sciences  
 DONALD EDWARD BEDFORD  
 SAMUEL EDWARD BENJAMIN, JR., Honors in Liberal Arts and Sciences  
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 JONATHAN MILTON BERKSON  
 HENRY MICHAEL BERNSTEIN  
 CAROL SUSAN BISS, Honors in Liberal Arts and Sciences  
 SAMUEL FOREST BOGGESS, Honors in Liberal Arts and Sciences  
 LORELEI JOY BORLAND  
 SARA MAE BOURQUE  
 KENNETH ALAN BOWEN, Honors in Liberal Arts and Sciences with Distinction in Mathematics  
 MARVIN EUGENE BRAASCH  
 FREDERICK LEN BRACKEN  
 JOHN DAVID BRADBURN, Honors in Liberal Arts and Sciences  
 DAVID N. BROADBENT  
 KENNETH LEROY BROGA  
 FRANCIS EMMETT BURKE  
 ROBERT ERIC BURROWS  
 JUDITH ANNETTE BURT  
 RUSSELL GENE BUTTERWORTH  
 ROBERT LEE CAMP  
 JOHN WALTER CARVETH, Honors in Liberal Arts and Sciences with High Distinction in Psychology  
 DONALD THURE CERLING, Honors in Liberal Arts and Sciences  
 SANDRA KAY CHANEY  
 HARTLEY AMES CHELIN  
 NELLIE CHUENG-WAH CHOI  
 RICHARD RUAL CLARK  
 WILLIAM HOYT CLARK, JR.  
 LAWRENCE ELIAS COUCH  
 HOWARD LEE CREININ  
 MARJORIE ANNE CUBBAGE  
 MICHAEL JOSEPH DANIEL  
 MICHAEL JOSEPH DE LIO  
 MONTY LUCILLE DIXON  
 EDWARD DAWSON DOLLY  
 DALE LEONARD DROLET, Honors in Liberal Arts and Sciences  
 HARVEY DRUCKER, Honors in Liberal Arts and Sciences  
 IRA WILL DUBROW, Honors in Liberal Arts and Sciences  
 VICTOR BUKA EICHLER  
 DOROTHY ALITA EVANS, Honors in Liberal Arts and Sciences  
 ROBERT STEVE FANTL  
 MURRAY JACK FAVUS  
 CAROLYN LOIS FELLHEIMER  
 GEORGE WESLEY FREEMAN  
 NANCY KATHRYN GAMLIN  
 ELAINE BEVERLY GARRETT

ROBERT EVERETT GERNANT  
 ARNOLD SIDNEY GOLDSTEIN  
 MICHAEL COWL GORDON, Honors in Liberal Arts and Sciences  
 FRANK DAVID GROSSHANS, Honors in Liberal Arts and Sciences with Highest Distinction in Mathematics  
 GLENN RAY HAAS  
 PEGGY JEAN HABERMEHL  
 EUGENIE LOUISE FRANK HARRIS  
 PATRICIA KAY HEINIGER  
 LUCILLE MARIE HOFFMAN  
 DANIEL SELLICK HOSKEN  
 SARA JANE HUFF  
 DONALD WAYNE HUNTLEY  
 CONRAD EUGENE HUSS  
 ROBERT BRYCE HUTCHISON  
 RICHARD LEE JACKSON  
 SUSANNE LEE JACKSON  
 WILLIAM PAUL JANSEN  
 ROBERT GEORGE JOBST, Honors in Liberal Arts and Sciences  
 ESTELLE SARAH JONES  
 LOIS RUTH KAHN, Honors in Liberal Arts and Sciences with Distinction in Zoology  
 MARTIN ROY KAPLAN  
 JAMES AMBROSE KEARNS  
 MARCIA TUCKEY KOCH, Honors in Liberal Arts and Sciences  
 MARSHALL KOLODENKO  
 MILDRED ANNA KOSNER  
 SYLVIA REBECCA KOWALESKI  
 KENNETH ROBERT KOZY  
 MARTIN ALAN KRAMEN  
 JAMES SIGURD KULSENG-HANSEN  
 JACOB WAN-TAT LAM  
 HELEN LANDSMAN, Honors in Liberal Arts and Sciences  
 CHARLES PITTMAN LAWLESS, Honors in Liberal Arts and Sciences  
 MARVIN S. LEVIN, Honors in Liberal Arts and Sciences with High Distinction in Mathematics  
 HOWARD BRUCE LEVY  
 KATHARINE BROADDUS LIEB  
 MERLE SANDRA LIST  
 CONNIE MAE LUNDEEN, Honors in Liberal Arts and Sciences with Distinction in Microbiology  
 MELVIN ALLAN MACGILSON, Honors in Liberal Arts and Sciences  
 STEPHEN MALKUS  
 KAREN ARLENE MASON  
 GARY LEE MCCLUNG  
 MELODY MEYERSON, Honors in Liberal Arts and Sciences  
 JOSEPH MICHALCIC  
 GREGORY EDWARD MILLER  
 ROBERT ALLAN MINARCINE  
 DENNIS EWALD MOELLMAN  
 STEPHEN ANDREW MOONEY  
 MICHAEL REEDER MORRELL



LINDA LEE MUELLER, Honors in Liberal Arts and Sciences with Distinction in Psychology

DAVID HOWARD MUNZELL

PATRICIA ELLEN NEIL

MICHAEL JOHN NOLAN

LORETTA JEAN OBENCHAIN

DAVID EDWARD OELKE, Honors in Liberal Arts and Sciences

JOHN GORDON LINDSAY OLIVER

SHOSHANA OLECH OREF

JEAN PASSOVOY PALEY

PAUL DONALD PARMET

JOYCE CONSTANCE PERSHING, Honors in Liberal Arts and Sciences

RICHARD ALAN PETERS

IRA JOEL PIEL, Honors in Liberal Arts and Sciences

CHARLES MAT PILS

EDWARD ROBERT QUINN

GERALD THOMAS REEDY

SHEILA SANDRA ROCKWELL

ROBERT ALAN ROSEN

ROBERT PAUL ROSENBERG, Honors in Liberal Arts and Sciences

MARSHALL DONALD ROSMAN

ELISABETH SUE ROWAND, Honors in Liberal Arts and Sciences with Distinction in Psychology

HOWARD ALLEN RUTIEZER

ARLINE RUTH SACHS

HARVEY BARRY SARNAT

THOMAS GERALD SCHAPANSKI

RENOLD EDWARD SCHILKE, Honors in Liberal Arts and Sciences

JAMES EDWIN SEARL, Honors in Liberal Arts and Sciences with Distinction in Entomology

SUSAN ARLINE SEELY

FRANK ELLIOT SHAPRO

MITCHELL BEN SHEINKOP, Honors in Liberal Arts and Sciences with Distinction in Zoology

KAREN LYNNE SHOTWELL

RONALD SIMON

GILBERT LEWIS SINGER, Honors in Liberal Arts and Sciences

MARGARET ANN McLAREN SMITH

NINO SORGENTE

PENELOPE SPELMAN

SIDNEY MICHAEL STAHL

KATHRYN MARIE STANLEY

RONALD JAY STONE

JOHN ROBERT STROEHLEIN

RICHARD LOUIS SWALLOW

DERYCK LEIGHTON STEWART TAYLOR

RICHARD DAVID TEMPLER

NANCY JANE TEMPLES

PAUL JOHN TENCZAR

RICHARD PAUL TERANDO

JOHN RONALD THIELGES

PATRICIA ANN TINGLEY, Honors in Liberal Arts and Sciences with Distinction in Zoology

ALLEN GEORGE TRUEMAN

ZALMAN PHILIP USISKIN, Honors in Liberal Arts and Sciences with Highest Distinction in Mathematics

WALTER JULIUS UTZ

MARY CLAUDIA WALSH

DAVID ALAN WALTRIP

JOAN KAY WEDBERG

LAWRENCE SCOTT WEPRIN

LARRY CURTIS WHITE

CAROLYN WICKS

DAVID OTTO WILLENBORG

STERLING BOONE WILLIAMS, JR.

JAMES EUGENE WILLIAMSON

ROBERT LEWIS WINKLER, Honors in Liberal Arts and Sciences with High Distinction in Mathematics

WILLIAM LANE WITT, Honors in Liberal Arts and Sciences

NEIL WAYNE WOLF, Honors in Liberal Arts and Sciences

THOMAS PAUL YATES

LAWRENCE HARVEY ZAIDEN

EDWARD JAMES ZIMBROFF

WILLIAM EDMUND ZUMSTEIN

#### *In Physics*

RUDOLPH LEROY ENGMAN, Honors in Liberal Arts and Sciences

LEWIS JOSEPH MILTON, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

GLENN ELLIS MOORE, JR., Honors in Liberal Arts and Sciences with Distinction in the Curriculum

JAMES ROBERT PLACE, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

DAVID EUGENE STANFEL, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

SUSAN CHRISTINE TIDEMAN, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

#### *In Speech Correction*

CAROLE JOYCE ALEXANDER

JUDITH DEE BERG

PATRICK EDWARD BOLAND

LAUREL SARA CHERTOW

LYNNE FLORENCE DREW, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

LINDA RUTH JUNGE

HOLLY KAPFLE, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

LETITIA SUSAN LAMP, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

BETSY LEVIN

CAROL ANNE McKEONE, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

MEREDITH GAIL MEYERS

BARBARA STARKEY MUNSON, Honors in Liberal Arts and Sciences

MARNA JEAN MYERS

PHYLLIS ROCHELLE PODOLSKY, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

JUDITH HARRIET SUNDQUIST

*In the Teaching of the Biological Sciences and General Science*

KAY LYNN BAKER, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

RHODA ELLEN BOROS

DAVID JOSEPH BRUSICK

JANET MARY BURKLAND

JOYCE ANNETTE DEERING

ILA JOY ENTMAN

VALERIE LAWRENCE HEEMSTRA, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

ELIZABETH ANN KENDZIOR, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

GERALD LEE KREITNER

PATRICIA ANN RICCETTI, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

WAYNE EDWARD ROGOSKI, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

WILLIAM DALE UNVERPERTH

LOUISE ANNA WOLF

*In the Teaching of Chemistry*

GERALD WILLIAM LEIBFORTH, Honors in Liberal Arts and Sciences

*In the Teaching of Mathematics*

MARLENE ADRIENNE ARTSTEIN, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

BEVERLY BARBARA BISS, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

RUTH MARY FESSER

KATHLEEN OSBORNE HAHN

JO LAVERA KENNEDY, Honors in Liberal Arts and Sciences

WILLIAM JOSEPH KESSLER

KATHLEEN MAE MUNDY, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

NORMA JEAN SCHAFER, Honors in Liberal Arts and Sciences

SUSAN LYNN SCRIBNER, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

JUDITH ZIKAS SOMERS, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

ROSEMARY FRANCES STOLFA, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

*In the Teaching of Mathematics and the Physical Sciences*

JOHN MICHAEL HENEGHAN

TERRANCE LEE HUFF

ANNETTE ROSE PIONTEK

COLLEGE OF LAW

Degree of Bachelor of Laws

ROBERT HENRY ADCOCK, A.B., Wabash College, 1960

JEAN APPLEMAN, A.B., 1960; High Honors

EUGENE LEE ARMENTROUT, A.B., North Central College, 1960

DAVID BOERNER, B.S., 1962

KENNETH STANLEY BROWN, B.S., 1960; Honors

WALTER STEPHEN CLAGGETT, A.B., 1960

GARY LEE CLARK, A.B., St. Ambrose College, 1960

HENRY THOMAS COGHILL, JR., A.B., Michigan State University, 1959

DAVID CHARLES COLEMAN, A.B., 1960

LAWRENCE EDGAR EATON, JR., B.S., 1952

GARY LADIMER ECKLUND, A.B., Wheaton College, 1958

- CHARLES EMILE EHLERT, A.B., Yale University, 1960  
 SAMUEL LOUIS ERWIN, A.B., 1957  
 ALLAN SIDNEY FEINGOLD, A.B., 1961  
 JAMES MONROE FOX, A.B., Augustana College, 1960  
 SHEERWIN MURRAY GOLDBERG, A.B., State University of Iowa, 1958  
 BRUCE GEORGE HILLSTROM, A.B., De-Pauw University, 1960  
 FRED LEONHARDT HUBBARD, B.S., 1961  
 JAMES MICHAEL HUCK, JR., B.S., 1960  
 PETER HARRY HUIZENGA, A.B., Hope College, 1960  
 RONALD GENE KLEIN, B.S., 1961  
 CARLA KAY KOGAN, A.B., 1960  
 ROGER EARL LAGESCHULTE, A.B., Wartburg College, 1960  
 RICHARD GORDON LAMBERT, B.S., Southern Illinois University, 1958  
 MICHAEL LEE LAPIN, A.B., 1961  
 NEAL CRAIG LAWSON, A.B., North Central College, 1960  
 LEAH SCHROTBERGER LEE, A.B., 1960; High Honors  
 JOSEPH LORD LONG, B.S., 1958  
 THEODORE JOHN LOREK, JR., B.S., 1960  
 EDWARD STANLEY MALECKI, JR., A.B., 1961  
 DAVID EDWARD MCCracken, Jr., B.S., 1960  
 DOUGLAS MILLARD III, A.B., Lawrence College, 1960  
 JEROME MIRZA, B.S., Illinois Wesleyan University, 1960  
 MARCO JOSEPH MUSCARELLO, B.B.A., University of Notre Dame, 1960  
 RICHARD BRUETTE OPSAHL, A.B., Luther College, 1959  
 RONALD LEE OTTO, A.B., 1960  
 ARNOLD EDWIN PERL, A.B., 1961  
 FREDERICK GILBERT PINK, Honors  
 DAVID SHAGAM  
 JOHN CAMERON STEPHENSON, A.B., Westminster College, 1959  
 ROBERT FREDERICK AUGUST STOCKE  
 EDWARD FRANK SUTKOWSKI, B.B.A., University of Wisconsin, 1961  
 FRANK ANTHONY WARD II, A.B., Johns Hopkins University, 1960  
 ROBERT LAVERNE WATSON, B.S., Millikin University, 1962  
 GEORGE IVAN WHITNEY, A.B., 1960  
 DONALD LEROY WILBER, A.B., Millikin University, 1962  
 ERROL ZAVETT, A.B., State University of Iowa, 1960  
 WILLIAM LEE ZESSAR, B.S., 1953  
 MAX EDWARD ZOLLNER, A.B., Knox College, 1960

## COLLEGE OF EDUCATION

## Degree of Bachelor of Science

*In Education*

- |                                  |                                       |
|----------------------------------|---------------------------------------|
| NORMAN EUGENE ART                | JUDITH ANN ROSENBAUGH                 |
| LYDIA SUE BACH                   | ESPERANZA FLORDELIZ SANDOVAL          |
| LORENA DIVAN BARNES, High Honors | MARIE LOUISE SCHLICHTING              |
| ALVIN LYLE BOYD                  | WILLIAM DAVID SHAFER                  |
| ARLENE IRVINE DAVIS              | SUSAN AVERILL SHAW                    |
| DALE EDWARD EWEN                 | TEHILA AVERBUCH SHEINBLATT            |
| FRED O. FLENER                   | JON RICHARD STEEN                     |
| LANIS MAE FUERST                 | FRANCES ELAINE STUCKEY                |
| VIRGINIA AGETT KAYE              | ZALMAN PHILIP USISKIN, Highest Honors |
| CONNIE ANN MINGEE                | JOHN THOMAS VAN BRANDEGHEM            |
| JILL MARIE LAMB NANCE            | ROY LEE WACHTER                       |
| SUKRAN ATAY OZUGLU               | LEEANN RAE WITHNELL                   |
| JAMES RICHARD POLING             |                                       |

*In the Education of the Deaf*

- |                             |                     |
|-----------------------------|---------------------|
| MARY ANN CLAASSEN           | JANET GWIN GILLUM   |
| JANICE ELAINE FILIP, Honors | CAROLYN JUNE SONDEE |
| LINDA LOU FRANKS, Honors    |                     |

*In the Education of Mentally Handicapped Children*

- |                                 |                                |
|---------------------------------|--------------------------------|
| LORALEE JEAN ABBOTT             | LESLEY ELLEN DUBOE             |
| GERTRUDE BOHNER                 | MAUREEN FERN FELDMAN           |
| LORELEI KAY BOWMAN, High Honors | BEVERLY NELSON MELLISKOG       |
| ELAINE MARLENE BUDACH           | BARBARA RUTH SILVERMAN, Honors |
| MARY ELLEN COWAN                | CAROL ANN STERN                |
| ANN JUDITH DAVIS, High Honors   | MARCIA KAY UMSTOT              |

*In Elementary Education*

SANDRA TURNEY ADDY	JOANNE NANNETTE Klier, Honors
JOAN ELAINE ANDERSEN	JOYCE LYNN KURLA
BONNIE KAY ARMSTRONG	MARGARET SCHULTZ LAIVINIEKS
NANCY CAROL BARRETT	KATHERINE BERTHA LAWRENCE
MARY CAROLINE BARTLETT	JOAN FERRISS LEFKE
JUDITH MOVES BAUMAN	JANET ADELLE LEFTWICH
MARY ANN BERGMANN	BARBARA SUE LEVENFELD
KAREN LYNNE BICKEL, Honors	SANDRA LEE LILEGUON
BONNIE JEAN BONESS	HANNAH LOEB
CAROL ANN BORRE, Honors	DIANNE JUNE LOQUIST
RITA JEAN BRANDT	PATRICIA CAIN LUDLAM
BARBARA ANN BREITENBACH	VIRGINIA MAXEY MARSH
SALLY WABEL BROUGHTON, Highest Honors	WILMA JOSEPHINE MARSHALL
JACQUELINE ANNE BUTLER	BELVA JOAN MARTIN, High Honors
KATHLEEN DOROTHY CAMPBELL	PATRICIA LANE MCGRATH
MARYLEE CHVAL	DONNA HARRISON MERSON
CAROLE POVLO CLARK, High Honors	KATHLEEN MARGARET MICHALSKI
FERN COBB	JACQUELINE VITA MIGDAL
CONSTANCE LOUISE COLLINS	FRANCINE HARRIET MINOWITZ
SANDRA LEILANI CUNNINGHAM	THERESE ANN MULLER
JANICE ELAINE DAHLSTROM	VIRGINIA TROUT MYER
ELLEN WENDY DAVIDSON, Honors	HELEN MARIE NEUMANN
SUSAN JO DESJARDINS	MARY THOMAS NORDWALL, Honors
FLORENCE DOROTHY DIX	LYNN KAREN NOVAK
FERN HELENE EDIDIN	JEAN ANN PAYCHL
JUDY FAYE FEHRENBACHER	CORLISS PAYNE
ARLENE COHEN FEINBERG	JACKLYN MAXINE PETCHENIK
SUZANNE LONGTON FLETCHER, Honors	NAOMI RACHELLE PICKARD
JAYNE PHIPPS FREEMAN, High Honors	ROBERTA LOIS PINES
JANE VELMA FULLERTON	JOYCE RAY PRESTON
JUDY SCHREINER FULMER, Honors	DONNA LEE RACHLIN
JEAN LAVERNE GAECHE, Honors	JEAN MARY RAFFERTY
SHARLENE PEGGY GARFIEN	PAULINE KASSOGIANIS
ROBERTA LEE GERARD	MARJORIE ANN REILLY
GEORGIANNE CAROL GIESEKE	ANN MUTTER REISNER
BRONA HELEN GLICKMAN	JOY PHYLLIS RICKET
JULIA DEUTSCH GOLDSTEIN	CYNTHIA DEE RICEY
JANET ROBERTSON GRIMES	MARJORIE ELLEN ROBINSON
CAROLYN GRONER	ELIZABETH ANNE SAVAGE, Honors
CAROL ANN GROTE, High Honors	HELEN MATTESON SCHOTANUS, High Honors
KATHY JANE HAEFELIN	LINDA JUNE SCHROEDER
ELLEN KATHERYN HAGELOW	SUZETTE MARIE SCHULTZ
BETSY CREVISTON HALL	SANDRA BONNIE SCHWARTZ
NANCY KATHRYN HARLAN	LYNDRA MCCLAIN SEELY
JODY ANN HARRIS, High Honors	STEPHANIE ANNE SHEETS
SUZANNE HENSON	RUTH ELAINE SHUPE
JERRY LEE HOFFMAN	SUE CAROL SHURTS
PATRICIA SCOTT HOLLOWAY	VIRGINIA MARGARET SIGEL
WENDY JANE HORN, High Honors	IDELL JOAN SILBERG
JANE ALICE HOWARD	JOHN NICHOLAS SIMON
FRANKEE DEE HUTLER	MARILYN CLARE SLABY
JOYCE JACOBS	JUDY MAE SPIKRE
GAIL BELLE JOHNSON	AMELIA STEFANOS, Honors
MARLYS ZANDER JOHNSON	KATHLEEN ANN STEVENS
KAREN BOHART KASNAK, Highest Honors	DIANNE FISHLOVE STONE
HAZEL RANDALL KELLEY	ELAINE BARBARA STONE
NANCY JEAN KEPNER	GLORIA ANN STUEBE
KAY MARIE KLAUS	ELEANOR ELIZABETH SWAIN, Honors
MAXINE SHARI KLEMPFNER	VIVIAN ANN UZZARDO
	SANDRA KARYL VAN HOUTEN

MARLENE JOY WALULIS  
SHARON LOIS WINKEL  
BARBARA ANN WOLFSON

SHARRON JUNE WOMACK  
JEANETTE LORSCH ZANDELL

*In Industrial Education*

FERNANDO GEORGE ARENAS, JR.  
ARTHUR DANIEL AVERY  
JAMES EDWARD GILBERT, High Honors  
JOHN B. GOTTA

BRUCE EDWARD MARSHALL  
BALDEO RAMLACHAN  
JACK BURTON SELICOVITZ  
RONALD CRAIG SMITH

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Degree of Bachelor of Science

*In Accountancy*

RICHARD NEAL ABRAMS  
DAVID INGVAR ANDERSON  
PAUL RAYMOND ANDERSON, Honors  
RICHARD ERNEST BARTLE  
GLEN LAVERN BENOV, JR.  
SEYMOUR BEREBITSKY  
VICTOR HERBERT BEZMAN, Honors  
HENRY FRANK BLADA  
THOMAS BENDELOW BROWN, JR.  
KENNETH STANLEY BRUNSMAN  
ROBERT ARTHUR BURTON  
BENNY MARVIN CHANEY  
GERALD DAVID CHISS, Honors  
ALAN DUANE CORNUE  
JAMES EDWIN CROUSHORE III  
LAWRENCE WILLIAM DETTMER  
PAUL EDWARD DUCKWORTH, High Honors  
WILLIAM JOHN DUFNER  
JOSEPH EARLE ERNSTEEN  
BRUCE WARREN FISHER  
ALLEN ROBERT FREEDMAN  
BARRY ALAN FRIEDMAN, Honors  
THORSTEN LENNART GARDNER  
GERALD ALAN GOLDMAN  
CAROL KASANDA GRUEN  
RALEIGH TERRY GUICE  
MARVIN LEROY HAAS  
THOMAS CARTER HARKESS, High Honors  
RALPH ARTHUR HOFFMAN, High Honors  
ABBY HELENE ISRAELOW  
JAMES KENT JEANBLANC, High Honors  
EDWARD DANIEL JENKINS  
JACK ALLEN JOYNT  
STEPHEN DANIEL KALUS  
SHELBY H. KANARISH  
MARSHALL LEE KERSCHNER  
JOHN EDWARD KESSLER, High Honors  
RICHARD LEE KEYSER  
KENNETH LEE KLEIN  
ALBERT RICHARD KOENIG  
JAMES MITCHELL KOLTVEIT, Honors  
LOREN BERNARD KRAMER  
LEONARD RAYMOND KROLL  
EUGENE STEPHAN KUCIA  
CHARLES RUDER LAFF  
RONALD EUGENE LARSEN

PAUL FRANCIS LAWLESS  
THOMAS DANIEL LEDDY  
STEPHEN MICHAEL LEWIS  
DEAN JAY LINDSEY  
THOMAS RUDOLPH LITVAY  
DON GALEN LOCKHART, Honors  
MICHAEL JOSEPH LONDRIGAN  
MICHAEL RAYMOND LOONEY, High Honors  
JOHN NATHANIEL LOWELL  
ALLAN BRUCE MANWEILER  
ROY OTTO MATTHES  
LLOYD MILTON MCCLURE, High Honors  
DONALD LEE MEIER  
EUGENE LEON MENNEL  
JERRY RICHARD MICHAELS  
MARTHA MOLITOR  
HAROLD RAY MOREHEAD  
EUGENE LOUIS MUELLER, JR.  
GARY DEAN MUZZY  
MARTIN LEWIS NATHAN  
JAMES RICHARD NEECE  
DOUGLAS FREDERICK NELSON  
EDWIN JOHN NEMEC  
ALAN PAUL OLSCHWANG, High Honors  
ROBERT LEE OLSEN  
DARRELL JOSEPH OYER  
JOHN ARTHUR PARRISH  
SIMON REED PEARLMAN  
RONALD GORDON PETERSON  
CHARLES RAY PIGG  
MURRAY JOEL POLLACK, Honors  
MARION RANDOLPH PRINCE  
IRA L. PRITZKER, High Honors  
JERRY LANE RANDOLPH  
MARVIN ROY RANEY  
JAMES HOWARD RAY  
FERDINAND HERBERT REICHELT  
JOHN LYMAN RILEY  
RONALD CARL ROBERTSON, Honors  
TERRENCE GEORGE ROGIER  
STUART ROBERT RUBIN  
HUGH RUDDOCK  
KRISTI MARIA SALM  
JOSEPH MICHAEL SCHERIGER  
RONALD MORLEY SCHWARTZ  
JERRY LEE SETLER, High Honors  
DAVID BRUCE SELIG  
MYRON DAVID SHAPIRO

JUDITH PAULA SNYDER  
KENNETH IRA SOLOMON, High Honors  
RICHARD RONALD SOLOMON  
DAVID GEORGE WALTERS, Honors  
BARRY LOUIS WEINSTEIN  
JACK WEMHOENER

THOMAS DENNIS WHITE  
RONALD JOHN WITEK, High Honors  
WAYNE WESLEY WOLF, Honors  
STEVEN EDWARD WOLLACK  
RICHARD ALLEN ZIEFF  
MICHAEL ARTHUR ZUCKERMAN

*In Accountancy and Economics*

TERRY MICHAEL SCHLADE, Honors

*In Accountancy and Finance*

JAROSLAW ROMAN MARTYNIUK

*In Accountancy and Marketing*

MICHAEL JAMES LIBERTA, Jr.

*In Commerce and Law*

JOHN HASKETT DAVIES  
JOHN PRIMM JACOBY, Honors  
ALBERT HERMAN KRUSEMARK  
LORIN MITCHELL SPARK

STEPHEN ERIC SWARD  
THOMAS MILTON TURNER  
CARL LEE VACKETTA

*In Commercial Teaching*

STUART ARNOLD DINKEN  
CAROLYN JUNE DODSON  
LINDA LOU GILL  
JUDITH MAUREEN IRWIN  
NANCY GIBSON JOHNSON

CAROLE SUSAN KOBER  
CAROL ANN NEWMANN  
NANCY JOSEPHINE NOLAN  
EUGENE MICHAEL SHIFRIN  
NANCY RAY TETZLAFF, Honors

*In Commercial Teaching and Finance*

ARTHUR LEE JUNKINS, Honors

*In Economics*

HARRY BLOCH, Honors  
DOUGLAS ROY CARMICHAEL, Honors  
JERRY LEE DEGARMO, High Honors  
JOHN FREDRICK FICKS  
FRANCIS GREGORY HERAS  
ROBERT ACKERMAN JOHNSON  
RICHARD DON JOSEPH  
JOSEPH PETER LACAVA  
FREDRICK MAX MEINEL  
DONALD WILLIAM RAMEY

PATRICK EDWARD REA  
JUDI ANN RISS, High Honors  
ROBERT HENRY SCHMIDT  
FRANK JOSEPH SCHMIEDER  
JEFFREY SCHUBERT  
DAVID STEPHEN SPENCER, Honors  
JAMES FREDRICK STULL  
DANIEL BERCHMAN SWEENEY  
THOMAS WEBB TATNALL, High Honors

*In Finance*

STEPHEN LEROY ALLISON  
DONALD ALFRED WALSTEIN BANGS  
ROBERT CORDELL CERNE  
STUART RAY CITRON  
RICHARD STEPHEN CUSAC  
CLARENCE LEE GERDES  
MARION HERBERT GIESECKE  
EDGAR LEE GREEN  
LEROY BERNARD HAZEN  
RICHARD WINE HEINMILLER  
JOEL STEPHEN HIRSCH  
WILLIAM ARRASMITH HUNT  
ARTHUR RAYMOND KINGERY  
DAVID WILLIAM LEMBEKE  
DAVID N. LEZEAU  
PAUL NIM-CHI LIANG  
PAUL LESTER LIEBERMAN  
JOHN EASTMAN LITTLEMEYER

SANFORD MINTZ  
FRANK HENRY MYNARD  
JUDITH JOANN POLO  
ALLAN NORMAN REISNER  
ALAN MARSHALL RESSER  
DAVID MARTIN ROBBIN  
WILLIAM BANDLOW RYPSTAT  
GERALD ERNEST SCHULTZ  
FRANK JOHN SCHWEITZER  
WARREN HARRY SCHWIESOW  
DONALD GENE SMITH  
GEORGE EDWARD SMITH  
STUART ALAN STERN, Honors  
RICHARD LYNN STUMM  
RICHARD JOHN VICARS  
WILLIAM LESLIE WELCH  
DAVID JAMES WINTER

*In Finance and Marketing*

BYRON ALAN BROOK

*In Industrial Administration*

GEORGE THOMAS CARROLL, JR.  
MICHAEL HERBERT GREENBERG  
CRAIG LLOYD McRAE  
WILLIAM DAVID ROBB

JAMES CARL STALLMAN  
JOHN ROBERT WEIS  
ELDON WILLIAM WHITTAKER

*In Management*

RICHARD WILLIAM AMBROSE  
JAMES THOMAS CROTTY  
JOHN HARRY DEJONG  
THOMAS LEONARD DE WAELSCHÉ  
JAMES MARTIN DOWNEY  
KAREN ELAINE DRYER  
TERRY ALAN DUNAVAN  
JOHN ALEXANDER DUNCAN  
RONALD BENJAMIN ENTZMINGER  
JEROME SPENCER GOLDSTEIN  
RONALD PAUL GROSS, Honors  
PHILIP JOSEPH HACKL  
JOHN HENRY HARRISON  
WILLIAM DAVID HERB  
JOSEPH WILLIAM HOBBS  
JAMES HARRISON HOFER

THOMAS MCINTYRE HOUGH  
JEFFREY DAVID HOWELL, High Honors  
DOUGLAS ERIC JACKSON  
DANIEL GLEN MCKINNEY  
MARILYN JOAN MICHAL  
CHARLES RAY MILLER  
JOHN CLINTON MOORE  
NEIL MICHAEL NELSON  
MELVIN CHARLES ROMANI  
ROBERT FRANK SEBASTIAN  
DWIGHT EARL SHANK  
SUSAN JEAN SKOFF  
DAVID LEO SOLMUNDSON  
JAMES EDWIN THAYER  
RICHARD WAYNE WALLACE  
DOUGLAS ERNEST WHITE

*In Management and Marketing*

MICHAEL JOHN FALLAW

FRANK CARL GAIDES

*In Marketing*

FRIEDEL MANFRED ACKER  
ALBERT ROY BAINES III  
STEPHEN YALE BARKAN  
JAMES DAVID BARR  
LARRY WESLEY BARTON  
STEPHEN LOWELL BAUM  
JAMES GODFREY BLANKENBURG  
KATHERINE LOUISE BROWN  
DONALD ANTHONY BUESCHER  
RONALD JOSEPH BULIN  
LAWRENCE JOHN CRAELIUS  
RONALD FLOYD CRAIG  
JOHN HOWARD DANKO  
DENNIS ROBERT DIBOS  
DAVID JOHN DOWNEY  
DAVID LEE ENGLISH  
DENNIS MICHAEL FLAHERTY  
MARGOT ANN FLINN  
JOAN KATHERINE FORMANEK  
RAYMOND PAUL FRITZSCHE  
RONALD HARRY GENENZ, Honors  
CHARLES LESTER GETMAN  
THOMAS EHRLER GOETTSCHÉ  
JOEL WARREN GREENBERG  
KENNETH JACOB GROSCH  
JOHN FRANK HANSON  
ROBERT ARTHUR HURST  
ALAN HARVEY JACOBS  
MARY DEAN JENKINS  
JOHN ANDREW JIRGENSON  
MELISSA ROSE KAMILLE  
MICHAEL DANIEL KOLODZIEJ  
KENNETH MARTIN KONECNIK

MAXINE JUDITH KURLIN  
GLORIA MARIE LAZAZZERA  
MARVIN LERMAN  
CHARLES WILLIAM LITZEN  
ROBERT JAMES LUEHRING  
KENNETH SMITH MACKENZIE  
DONNA JEAN MATSON  
DAVID LEE MAUPIN  
ROBERT JOSEPH MAYER  
ERIC HANS MEDROW  
RONALD THEODORE MIKRUT  
WILLIAM ROGER NEMECEK  
KENNETH ALLEN RAWSON  
CHARLOTTE PETTY REEDER  
DALE LEROY ROTHENBERGER  
RICHARD RALPH ROYER  
EARL MARTIN SABES  
ROGER FRANK SCHAUER  
WILLIAM CORDELL SCHWEIZER  
RICHARD EUGENE SCOTT  
CHARLES DANIEL SHAUER  
ROBERT JOEL SIEGEL  
JANET MAE SLOMKA  
WILLIAM GEORGE SMALL  
ALBERT CULLY TAYLOR  
MICHAEL TEPPER  
JAMES ADRIAN VERHOEVEN  
JOHN CHARLES WEBBER, Honors  
JOEL DAVID WEISMAN  
RICHARD JOSEPH WHITEHEAD  
BARBARA ANN WIELGOSZ  
KENNETH ALBERT WOJCIESZAK

*In Secretarial Training*

JUDITH FRANCINE HOOD  
JOAN ELLYN NEUMANN

LINDA JEAN PETERSON  
TERRY ANNE SHULL

*In Urban Land Economics*

DALE CARTER ALTMIN  
CHARLES RICHARD BALKIN

MICHAEL ROBERT KIEN  
FRANK PAUL MOSCHELLA

## COLLEGE OF JOURNALISM AND COMMUNICATIONS

## Degree of Bachelor of Science

*In Communications*

ROBERT EDWARD ADAMS  
BRIAN ROBERT BLAND  
GEORG JOACHIM-FRIEDRICH BLOME  
HELEN LOUISE BURGETT  
MICHAEL ROBERT CARTER  
HARRISON LEON CHURCH  
JUDITH KAY CONE  
CHRISTINE ELIZABETH CZURYLO  
RONALD NEIL DECOOK  
DARROUGH BLAINE DIAMOND  
JEAN ANN EVEN  
JOHN GRIFFITH FORNOF  
SUSAN JOYCE GELFAND  
JAMES DOUGLAS HANCOCK  
EDITH FLORENCE HANSON, High Honors  
LARRY WAYNE HARNLY, Honors  
CAROL JEAN HECK  
JANECE BURKE HOLMES  
JOHN CARROLL HUDSON  
LAWRENCE VERN JAGNOW  
CHARLES FRANK JANOVSKY  
JEANNETTE LOUISE JOHNSTON  
JEWEL ANN JONES  
ROBERT MERLE KAHN  
BETTY KALLOS  
ANN HYDE KALMAN  
JERRY LEE KALMAN

LARRY MICHAEL KLINGMAN  
VALENTINAS LEOPOLD KRUMPLIS  
KAREN SUE LUCAS  
KALIOPEE CLEO MALAGARIS  
JUDITH CHARLOTTE MARKS  
DENNIS DECOURCEY McCANN  
JEROME ANDREW MOCH  
GEORGE MICHAEL MORVIS  
DONALD GENE MUNSON  
PAULA JEAN PETERS  
DONALD ROBERT PUKALA  
KAREN WISE ROSENBERG  
GERALDINE MARION RUKSZA  
GARY ALAN SATHER  
RUTH CAROL SCHOENBECK  
DAVID CONNER SHAUL  
MARILYN ANN SKOR  
GRETCHEN SLICK  
GEORGIA SMITH  
HOWARD ROY SOLOMON  
DOROTHY DEGENKOLB WETZEL  
SANDRA LOIS WEXLER  
SUSAN MARY WIETLISPACH  
SUSAN LEE WILLIAMS  
BARBARA LIN YORK  
DONALD LEE ZUKOWSKI

## COLLEGE OF FINE AND APPLIED ARTS

## Degree of Bachelor of Architecture

NEIL DONALD ANDERSON  
JAMES SHIGETOSE AOKI  
GEORGE WILLIAM BLOOME  
LOUIS OTTO BOLWAHN  
JEAN PAUL BUDINGER  
JAMES FRANCIS CARBERRY  
HENRY STOW CHAPMAN, Honors  
JERALD LYNN CLARK  
DOUGLAS WILLIAM COCKFIELD  
FRANK JOHN COMBER  
DONALD JOSEPH CRNICH  
VAIDOTAS DAUKANTAS  
JAMES NICK ECONOMOS  
ROBERT RICHARD ENGELKE  
GRAHAM GLEN ENGBELMAN, High Honors  
EDWARD MICHAEL FINE  
LONNIE LEMARR FRYE  
JAMES LEE GIBSON  
BARRY ALAN GOLDBERG

MARVIN GUNNAR GRAHN  
ANTHONY JAMES GRIFFIN  
LEON SYLVESTER HARLAN, JR.  
BARNABAS PETER JOSEPH HARRINGTON, High Honors  
NICK HONCHARUK, JR.  
STUART KALMAN JACOBSON  
JENS ANDREW JENSEN  
WILLIAM STANLEY JESSUP  
RICHARD LEE JOHNSON, High Honors  
THOMAS SHIGERU KATSUYOSHI  
KENNETH CLYDE KELLEY  
ROBERT DALE KLEINSCHMIDT  
HARRY STEVEN KROEGER  
RICHARD GRANVILLE LAXEN, High Honors  
GARY SCOTT LIKINS  
EVAN RUSSELL LLOYD  
HENRY R. LOPEZ  
LAWRENCE JOSEPH LUNDY



FRANKLIN ROOSEVELT MANGO  
JOHN THOMAS MAHER  
ARTHUR RICHARD MARKS  
KENT ALFRED MARTHALER  
TERRENCE ANDREW MCCORMICK,

*Highest Honors*

GEORGE HENRY MILLS  
MARSHALL JOSEPH MORETTA  
LESLIE IRA NATHAN  
WARREN JAY NEIMAN  
RICHARD DUANE ODLE  
JAMES MALCOLM PETERSON  
ABUL HASEM ABDUR RAHMAN  
ILMAR REINVALD  
ARTHUR CHARLES ROMMEL  
THOMAS JON ROSENGREN, High Honors

BARBARA DIANN ROWE  
LARRY MORTON SCHECHTER  
THOMAS RALPH SCHMENK  
WAYNE WILLIAM SHAW  
ANDREW JEROME SMITH  
STANLEY EDWARD SOPALA  
PAUL JOSEPH STRAKA  
WILLIAM RAY THOMPSON  
WALLACE JAMES TOSCANO  
GERALD JOSEPH VEVERKA  
ERNEST PETER WASILEVICH  
MICHAEL THOMAS WILLIAMS, Honors  
MYRON JOSEPH WIMMER, JR.  
RICHARD STANFORD WINTERGREEN  
DAVID WALTER ZEUNERT  
CONSTANTINE GEORGE ZISSIMOPOULOS

**Degree of Bachelor of Fine Arts**

*In Advertising Design*

JOHN MICHAEL CHIOUS  
KENNETH EUGENE CROUSE  
JERVIS WILLIAM HILL  
SHERIDAN ARTHUR LEE  
EDWARD LYONS, JR.

KENNETH ALAN MONTONE, Honors  
JAMES STANLEY MURRAY, Honors  
BILL DEE SANDERS  
BARBARA SUE SMITH  
JOAN PAULINE WAHRER

*In Art Education*

JANICE LOUISE BERTRAM  
MELVIN WHITSETT CARTER  
JUDY DIANE GENE  
MARY LEE ISEL, High Honors  
LYNN SMITH JAENKE  
JOAN ABBY MALL, Honors  
LESLIE LOUISE MARKS

CHARLOTTE LOUISE NESMITH  
MARJORIE LEE NOVELLE, Honors  
SUSAN SMALLA PERKINSON  
BARBETTE JOAN ROTHCHILD  
TONI LYNN SATHE  
ISABEL AMELIA WALTERS

*In Crafts*

FLOYD DALE ROUSH

*In the History of Art*

KATHRYN JO KALB, Honors

ESTHER MAGGOS

*In Industrial Design*

JEAN A. ALBRECHT  
DAVID RICHARD BUTLER  
DONALD GENE FALK  
BRUCE PAUL FINK  
RONALD VICTOR HESS  
LAWRENCE EMMERSON HOUSE II  
ROBERT CHARLES LAMPERTIUS

MANFRED GEORG NIKOLAUS  
HARVEY RICHARD OSTRESH  
JOHN BRUCE REA  
FRANCIS BENINGTON RECKITT, JR.  
NORVID ROOS  
HENNING JORGE SPEYER  
DEAN EDWARD WILSON

*In Landscape Architecture*

BRUCE JOHN CONROY  
DANIEL ALAN DAY  
CARL LUDWIG GOETZ  
THOMAS HOMER JOHNSON

WILLIAM HARVEY RAY  
JOHN WILLIAM RIPLEY  
BERNARD CHARLES ROSAUER

*In Painting*

RACHEL MINNA BARON  
TRACY GAY BYROM, Honors  
JUDY LYNN CARLSON  
CAROL ANN COMISKEY  
WILLIAM SHERMAN DOWNEY, JR.,  
Honors  
JUANITA LAVERNE GAMMON  
MARGARET RUTH GILLER  
MARILYN IRIS GOLUB

PHYLLIS MARY HALPERIN, High Honors  
CECILIA AMELE KRCMAR, Honors  
SANDRA LYNN LESHNER  
RONALD EDWARD LINDEN  
JANET BAR LITNEY  
ALVIN DEMAR LOVING, JR.  
SPENCER LYNN NAMYST  
LEONARD JAMES PETERSEN  
PAMELA JANE PETRY

SUSANNE LUCIENNE PHILIPPSON, High Honors      DANIEL LEONARD ZIEMBO  
MURRAY ZIMILES, Honors  
MARILYN LUCILLE WILSON, Honors

*In Sculpture*

THOMAS JOHN TASCH, Honors

**Degree of Bachelor of Music**

JOHN RAYMOND BIELENBERG      WILLIAM RUSSELL SKIDMORE, High Honors  
MARGARET ABBOTT KSANDER, High Honors  
COLLETTE MARIE SROKA, Highest Honors  
MICHAEL RICHARD ROGERS, Highest Honors  
ROBERT SCOTT TYLER

**Degree of Bachelor of Science***In City Planning*

FRANK LYNN BALLIF ALBERT      ROY TORU KATO  
CHARLES EDWARD BATESON      MELVIN JOSEPH SCHNEIDERMEYER, Honors  
AUGUST CARL CHIDICHIMO  
ELLA ISABEL FLORES      CLIFFORD GLENN STRASSENBURG  
WILLIAM THOMAS GELMAN

*In Music Education*

CAROLYN JUNE BEATY      WILLIAM DEAN KISINGER, Honors  
CORALEA GABRIEL BERG      TERRY RIDGELY KLAUS  
JOHN RAYMOND BIELENBERG      JOEL PAUL KLEIN, Honors  
PATRICIA KAY CHENEY      DELMAR ARTHUR LOHR, High Honors  
KATHLEEN JOYCE CLINE, High Honors      BRENDA BROWN MCNEILAND, Highest Honors  
DONALD MELVIN COLLINS  
JANICE DEANE CORUM, Highest Honors      JANE ELLEN MYRICK, Highest Honors  
BEVERLEY GENE DAVIS      JAMES D. NELSON, High Honors  
JO ELLEN DUTTON, Highest Honors      CAROL LOU OYSTER, High Honors  
SUSAN ENT      KIM ROBERT RICHMOND, High Honors  
FREDERICK DEAN FAIRCHILD      ROBERT JOHN RUCKRIGEL, Honors  
LILA DAWN FAIRCHILD, Honors      WESLEY JOHN SCHUMACHER  
JAMES HARVEY FELTS      MARY ELLEN SIMONIN  
MELVIN LEROY FLOOD      JUDITH ANN TRACY, Highest Honors  
HARVEY ALBERT HERMANN, JR.      MARLA KOVACEVICH WHEATLAND  
AARON LEE JOHNSON      PHYLLIS LEA WORTHINGTON  
JAKETTE LYNNE JOHNSON

**COLLEGE OF PHYSICAL EDUCATION****Degree of Bachelor of Science***In Health Education*

JANET JOYCE DEVINE      DELMAR JOE STAUFFER

*In Physical Education*

LETA ANN ACKERMAN      LESLIE GEE HOWARD  
WAYNE STANLEY AMBROSE      ANN BRANDENBURGER IMBODEN  
BARBARA FAY ARNOLD      JEROLD EARL KAHLE  
LARRY LEON BALABANOW      EDWARD FRANK KRAL, JR.  
HARRY JAMES BARRETTE      MARLENE JOY LANCE  
WILLIAM GEORGE BURWELL      CHARLES RALPH LEONARD  
JOHN JOSEPH COLLINS      DAVID GEORGE MCGANN  
IGNE RUTH CRIEB      ARTHUR RAYMOND MICHAELY  
THEODORE JOSEPH DEROUSSE, JR.      PENELOPE ANN POPE  
ROBERT CLIFFORD DONOHU, Honors      LUKE LEON RECKAMP  
JUDITH LOUISE EDLUND      MARY ELLEN SAER  
JANET ELSIE ENGLAND      RONALD LOUIS SANDERS  
SANDRA LEE FAIRCHILD      RICHARD FRANK SCHULZE  
DENNIS LUTHER HARRIS, Honors      JAMES EARL SIMPSON  
PATRICIA ANN HOSTETTER      ALAN KEVA SMILEY

ROBERT RAY STARNES  
KENNETH HAROLD STRAND  
NANCY DIANE THOMSON

JACQUELINE MAE WALTERS  
DONALD KEITH WITZIG  
KENNETH WALTER ZIMMERMAN

*In Recreation*

FRANCIS DEAN BORROR  
ROBERT BRAUN DANIEL  
BARBARA LOUISE DANLEY  
LETITIA ANNE EDWARDS  
ALAN DAVID GREENBERG  
MARCIA MANETTE MENDELSON, Honors

JAN TRUMAN MUNCH  
GENEVIEVE BERKOWITZ PAINTER, Honors  
SHARON GAIL TRAYNOR  
THOMAS DANIEL TUTTLE  
SUSAN LESLIE ZALKIND

**COLLEGE OF VETERINARY MEDICINE**

**Degree of Bachelor of Science**

*In Veterinary Medicine*

RALPH ANTHONY BAER  
PAUL LEE CARON  
BEVERLY YVONNE COCKRELL  
ROBERT DYKEMAN DAVIS  
MARTIN PAUL DEANGELIS  
ALBERT STEVEN DORN  
JIMMY JAY ESTES  
JOSEPH JOHN FOERNER, JR.  
RICHARD EUGENE FREDRICKSON  
BILLY RAY GARLICH  
RAYMOND THOMAS HUSTON  
ALAN KENT KREMER  
DAVID WINSTON LAW

RAMON WESLEY MEDERNACH  
LARRY EUGENE MILLIS  
ROBERT LEROY MORRISSEY  
TIMOTHY RUSSELL O'BRIEN  
JOHN ANDREW PICKRELL, Honors  
LARRY DALE ROLLINS  
FELIX ROBERT SAVA  
WALTER LEE SESSIONS  
CHARLES WILLIAM SMITH  
JAMES HALE SOKOLOWSKI  
CHESTER CHARLES SWANSON  
OSCAR GARY SWANSTROM  
KENT DEWEY TRUCKENBROD

**Degree of Doctor of Veterinary Medicine**

JOAN MARTIN ARNOLDI  
NORBERT LEO ARNOLDI  
CURT HERMAN BARTHEL  
WESLEY GERHARDT BIERITZ  
ROBERT WORTHY BISHOP  
RICHARD LEE BRYANT, Honors  
WALTER WILLIAM DALITSCH, JR.  
BARBARA PETERSON DEEB  
JOHN OTIS DICKINSON  
DENNIS WILSON DUFFIELD  
HAROLD WILLIAM GEHRIG  
LARRY STUART GOODWIN  
SANDRA THERESA GRONKOWSKI  
CARL JAMES GUARIGLIA  
ELMER CHARLES HENDRICKS, High Honors

ROGER SYLVAN JAENKE  
JIMMY BARTHEL JONES  
THEODORE ROOSEVELT KINNE  
KENDALL RALPH KNUTSTROM  
RUDOLPH KODRAS  
JAMES RICHARD LAMAR  
GLEN FRANKLIN LEHR  
JAMES GRATTAN LOGSDON, JR.  
KATHLEEN MARY MURPHY  
WESLEY TRUMAN OSTHUS  
RAYMOND BERNARD REEVES  
WILLIAM JOSEPH SCHAFER  
ROBERT PAUL SCHMIDT  
ARNOLD RAY SMITH  
RONALD ALLEN SWANSON  
RICHARD FRANKLIN WALLIN

*Degrees Conferred at Chicago*

**HONORARY DEGREES**

**Degree of Doctor of Science**

DETLEV W. BRONK, Ph.D.

**GRADUATE COLLEGE**

**Degree of Doctor of Philosophy**

*In Anatomy*

GORDON CHARLES BLAHA, B.S., Northern Illinois University, 1957; M.S., 1961  
DALE EDWARD BOCKMAN, B.S., Southwest Missouri State College, 1956; A.M.,  
Los Angeles State College, 1958  
SARA EISENBERG, M.S., University of Mexico, 1960

*In Biological Chemistry*

- ALBERT BABA DANIELZADEH, B.S., M.S., Loyola University, 1956, 1958  
 DAVID ALLEN DENNEN, B.S., M.S., 1953, 1955  
 EDWARD JOHN MCGUIRE, A.B., Blackburn College, 1958  
 TARAKAD VENKATESWAR RAJKUMAR, A.B., University of Madras, 1953; M.S., University of Kerala, 1955; M.S., De Paul University, 1959

*In Chemistry (Pharmaceutical)*

- MADHUKANT MANSUKHLAL DOSHI, B.S., University of Bombay (India), 1956, 1957; M.S., University of Michigan, 1958  
 LEE TIMOTHY GRADY, B.S., 1959  
 MILTON JOSEPH KORNET, B.S., Purdue University, 1957  
 JACOB LEHRFELD, B.S., 1956  
 ORESTE LeROY SALERNI, B.S., M.S., Duquesne University, 1957, 1959  
 FRED ALLEN TURNER, B.S., M.S., 1955, 1958  
 THOMAS LAURENCE WELSH, B.S., 1959

*In Microbiology*

- RONALD ALAN ZUSSMAN, B.S., Loyola University, 1957; M.S., 1959

*In Physiology*

- HENRY LAWRENCE MCCROREY, B.S., M.S., University of Michigan, 1949, 1950; M.S., 1959  
 ERNEST JOHN SUKOWSKI, B.S., Loyola University, 1954; M.S., 1959

**Degree of Master of Science***In Anatomy*

- LYLE EUGENE BRUMLEY, A.B., Grinnell College, 1961  
 MAC DONALD CAVE, A.B., Susquehanna University, 1961  
 ERICA BACHEM FRIEDERICI, B.S., Northwestern University, 1948  
 ROBERT PETER SCAFINO, B.S., D.D.S., 1959, 1962  
 THOMAS ALLEN WEIDMAN, B.S., Illinois Wesleyan University, 1955

*In Biological Chemistry*

- EMIL ATHINEOS, A.B., University of California, 1958  
 FILOR KALOUST CHORIKIAN, B.S., American University of Beirut (Lebanon), 1957  
 ALAN SCOTT LEVIN, B.S., 1961  
 MAIJA IDA MEDNIEKS, B.S., 1958

*In Chemistry (Pharmaceutical)*

- PETER NOEL COPE, A.B., Northwestern University, 1959

*In Histology (Dental)*

- SAMUEL BERNARD GALKIN, D.D.S., Temple University, 1958 (In Absentia)  
 C. PAUL OSMANSKI, D.D.S., University of Buffalo, 1960  
 DENNIS FRANCIS WEBER, D.D.S., Marquette University, 1957

*In Microbiology*

- ROBERT LEE BALDWIN, JR., B.S., Howard University, 1957

*In Oral Pathology*

- ARUP KUMAR DAS, M.B., B.S., University of Calcutta, 1953

*In Oral Surgery*

- LAWRENCE SHERWOOD HOCHMAN, B.S., D.D.S., 1957, 1959  
 JOHN ROLAND WESTINE, D.D.S., 1955

*In Orthodontics*

- RICHARD EARL EMRICH, B.S., D.D.S., Ohio State University, 1953, 1961  
 JOHN PEIRCE HOWLAND, B.S., D.D.S., 1955, 1957  
 YASUO KAKUDA, D.D.S., Loyola University, 1956  
 JOSEPH C. KONIE, B.S., D.D.S., 1955, 1957

NICKOLAS KONJEVICH, B.S., D.D.S., 1959, 1961  
 DONALD JAMES O'DONOGHUE, B.D.S., University of Queensland (Australia), 1959  
 ELISHA ROSCOE RICHARDSON, B.S., Southern University, 1951; D.D.S., Meharry Medical College, 1955  
 EARL NELSON SEAVALL, D.D.S., Creighton University, 1961  
 DAVID FRANK ZAK, D.D.S., Loyola University, 1956

*In Pharmacology*

LEON IRWIN BENDER, B.S., 1959  
 ONA EUGENIJA MICKEVICIUS ZUKAUSKAS, B.S., Mundelein University, 1959; M.D., 1962

*In Pharmacy*

DANIEL ALOYSIUS NONA, B.S., 1958  
 ROBERT GRANVILLE WILSON, B.S., Massachusetts Institute of Technology, 1946, 1947; B.S., 1961

*In Physiology*

DONALD JACKSON BOON, B.S., Purdue University, 1959

*In Surgery*

RICHARD GEORGE CALDWELL, A.B., M.D., University of Vermont and State Agricultural College, 1955, 1960  
 JEAN-CLAUDE GAZET, M.D., B.S., Guys Hospital (England), 1951  
 BRIAN MCKIBBIN, M.B., Ch.B., University of Leeds (England), 1955  
 PARVIZ FARSA, A.B., Texas Technological College, 1954; M.D., Baylor University, 1960  
 ROBERT PAUL ROSSWICK, M.B., B.S., University of London (England), 1955  
 JAMES ANTHONY SANDROLINI, B.S., M.D., 1955, 1957

**COLLEGE OF DENTISTRY**

**Degree of Bachelor of Science in Dentistry**

*Conferred June 8, 1962*

ALLEN WENDELL ANDERSON	RICHARD DUKE JONES
GUNA MARA ANDERSON	JEROME FREDERICK KATZ
HELMUT ADAM AWENDER	ALBERT HENRY KRAUSE
KENNETH EDWARD BALA, with Honors	GEORGE BIRKLAND MAXWELL, Jr., A.B.,
JAMES ALLEN BERENS	Southern Illinois University, 1960
RICHARD JEROME BERKOWITZ, B.S.,	ROBERT KAY MICK
Drake University, 1960	EMORY RUSSELL NELSON, A.B., North-
HOWARD THEODORE BLOCK	western University, 1960
HAROLD WILLIAM BONUS	WALTER EDWARD OLSON, A.B., Illinois
MELVIN BURACH BORG	Wesleyan University, 1955
LESLIE JOSEPH BRAUN, Jr.	IRWIN WILLIAM PEARLMAN
PETER EMANUEL CASTRITSIS, B.S., 1959	DARRYL JOHN PIROK
RICHARD JAY CHROMAN	ROBERT JOSEPH POKORNY
NELSON THOMAS CROWELL	GARY ALAN QUICK
MICHAEL JOSEPH DAVEY	EMIL LEROY RIGG, D.D.S., 1961
DONALD JOSEPH DECHRISTOPHER	FAREL ARTHUR ROSENBERG
MAURICE DICKMAN, B.Ed., Chicago	KENNETH PAUL ROTTMAN, B.S., Tulane
Teachers College, 1953	University, 1958
JOHN PAUL ENGLAND	SHELDON ARNOLD RUDNICK
LEWIS ERSKINE FRAZIER	ALAN JAY SHAPIRO, B.S., Roosevelt
THOMAS BLAIR FRAZIER, A.B.,	University, 1960
Monmouth College, 1960	JERRY LEE TODD, A.B., Southern Illinois
JERRY DEAN GARDNER	University, 1959
GARY ALLEN GASBARRA	THOMAS NEWMAN VAUGHN, D.D.S.,
CARL RICHARD GILMORE, A.B., Beloit	1961
College, 1960	DONALD PHILIP WEISSMAN
LEON FLOYD HARRIS	SAMUEL STUART WEXLER
JAMES CHARLES HICKEY, B.S., Capital	BRUCE LEE WOLFF
University, 1957; D.D.S., 1961	RAMON MATHEW ZOLLER, Jr., B.S.,
CHARLES ERIC JOHNSON	1959; with Honors
WILLIAM NILS JOHNSON	

*Conferred September 8, 1962*

GERALD MAURICE REED

**Degree of Doctor of Dental Surgery***Conferred June 8, 1962*

EDWIN THOMAS JACH, B.S., 1954,  
1960; M.S., 1958  
JEROME FREDERICK KATZ  
LAWRENCE MARK LEVINE, A.B., 1958

JAY LOYD LUHTALA  
JOHN ALBERT SPICKERMAN, B.S.,  
Lawrence College, 1958  
FREDERICK JOHN WITTBER

*Conferred June 7, 1963*

GARY DEAN ANDERSON  
ARNO WILHELM BARTZ  
MAURICE MAN KWONG BAU  
ELIOT BECKER, B.S., 1961  
RONALD DARRELL BERGLUND  
LESLIE JOSEPH BRAUN, JR., B.S., 1962  
JOEL LEON BURMAN, B.S., 1959  
PETER EMANUEL CASTRITSIS, B.S., 1959,  
1962  
HARRY OLIVER CHANNON, A.B., Knox  
College, 1958; B.S., 1961  
HERBERT HUGH CHAPMAN, B.S., 1961  
GEORGE PHILLIP CHOISSE  
MYRON JULES COHEN, B.S., 1959, 1961  
WILLIAM JAMES COHEN, B.S., 1961  
DEAN CLARENCE COOPER, B.S., 1959,  
1961  
LEE IRWIN COPELAND, B.S., 1961  
JOHN PAUL ENGLAND, B.S., 1962  
ROBERT DAVID ESSAK  
DONALD LOUIS FISHER, A.B., North  
Central College, 1956  
WAYNE JAMES FITZPATRICK, A.B.,  
Millikin University, 1960; B.S.,  
1961  
JOSEPH DUANE FRANCIS, B.S., 1961  
MELVIN MICHAEL GLICK, B.S., Roose-  
velt University, 1959; B.S., 1961  
RONALD LEE GOLDSTEIN, B.S., 1959  
LEON GEORGE GOMBIS  
JOHN EDWARD GRADY, B.S., Elmhurst  
College, 1953; B.S., 1961  
CHARLES SIDNEY GREENE, B.S., Univer-  
sity of Chicago, 1958; B.S., 1961  
JOHN CLAYTON HARBECK, B.S., 1961  
WILLIAM LEROY HYLANDER, B.S., 1961  
WAYNE EDWARD KMIEC, B.S., 1961  
JOHN EDWARD KNOX, with Honors  
DOUGLAS DALE KOCH  
MICHAEL HARRY KONTOS, A.B., North  
Central College, 1959; B.S., 1961  
STEVEN YOSHIKAZU KUMAMOTO  
LLOYD ANTHONY KWOK  
MICHAEL LA PORTA, B.S., 1961  
ROBERT ALAN LIPSCHULTZ, B.S., 1961  
HARRY ALOYSIUS LOUIE, B.S., 1961  
JACK ARNOLD MARKS, B.S., 1959, 1961  
DANIEL JOSEPH MARTISIUS  
ARTHUR GENE MAZZIER, B.S., 1961

LAWRENCE LOUIS MELAIK  
EDWARD LAWRENCE MICHALEC, B.S.,  
1961  
ROBERT PATRICK MOFFETT, B.S., 1961  
ARTHUR MOW, A.B., College of the  
Pacific, 1959  
DAVID JAY MYERS, A.B., 1959  
HOWARD HAROLD FOLK, B.S., 1961  
RONALD JAY POPPER, A.B., 1959  
DONALD JOSEPH PROVENZALE, B.S.,  
Loyola University, 1959  
GEORGE RICHARD RAMSEY  
MURRY WILLIAM RANDELL, B.S., 1961  
GERALD MAURICE REED, B.S., 1962  
ROBERT CHARLES REUSS, B.S., 1961  
JOHN LEROY REYHER, B.S., 1961  
LARRY LEE RICHARDS, B.S., 1961  
EDWARD FRANK SARSHA, B.S., 1961  
GENE JAMES SBALCHIERO, B.S., Mon-  
mouth College, 1959  
RICHARD FRANK SCHMITZ, B.S., 1955,  
1961  
ROY ALAN SHELLOW, B.S., 1961; with  
Honors  
EUGENE BROWNLOW SHORT  
MARVIN JOSEPH SOMMERFELD, B.S.,  
1961  
ALAN MARVIN STEVENS, B.S., Roose-  
velt University, 1957  
KENNETH WILLIAM STIEGEL  
PAUL HARVEY STINES, B.S., 1961  
JERRY LEROY STONEKING, B.S., 1961;  
with Honors  
EDWARD MORTON SWARTZ  
JOHN TAKESHI TAKEKOSHI, A.B.,  
La Sierra College, 1958; B.S., 1961  
RICHARD CASEY TALBOT, B.S., Purdue  
University, 1955; B.S., 1961  
GEORGE CASIMIR THOMAS, JR., B.S.,  
1961  
DALE JOSEPH VERCELLOTTI, A.B., North  
Central College, 1958; B.S., 1961;  
with Honors  
THOMAS DONALD WESLEY, B.S.,  
De Paul University, 1955  
KENNETH LEE WINTER, B.S., 1961  
BRUCE LEE WOLFF, B.S., 1962  
RAMON MATHEW ZOLLER, JR., B.S.,  
1959, 1962; with Honors

## COLLEGE OF MEDICINE

## Degree of Bachelor of Science in Occupational Therapy

*Conferred June 7, 1963*

LINDA KAREN KAHN  
 EMILY DOBSON KRUECK, with Honors  
 SUSAN PHYLLIS SHACKTER LAZAR  
 SUSAN CAMILLA LUSTFIELD  
 MEREDITH MARIE MAGENHEIMER

RAYNA JEAN MICHAEL  
 SUSAN HART PACKARD  
 PATRICIA LORAIN SADLON  
 LOUISE EVELYN TOPPE, with Honors  
 GLADYS JOYCE ZIRBEL

## Degree of Doctor of Medicine

*Conferred September 8, 1962*

BERNARD DAVID BROOKS  
 RONALD JOSEPH CISKOSKI, B.S.,  
 St. Mary's College, 1958

HUGH EDWARD CUMMINS, B.S., 1958  
 WARREN DUANE DODD, A.B., Em-  
 manuel Missionary College, 1957

*Conferred June 7, 1963*

NEIL ROGER AARONSON, B.S., 1959  
 NEIL STUART AGRUSS  
 JOSE ARUGUETE, A.B., North Central  
 College, 1959; with Honors  
 NORMAN LEONARD AVES, B.S., Northern  
 Illinois University, 1959  
 EDWARD HARRIS AXELROD, B.S., Roose-  
 velt University, 1959  
 VALERIE ROSE BANDELIN, B.S., 1953  
 ROBERT ALLAN BEHMER, B.S., Elmhurst  
 College, 1959  
 CHARLES EDWIN BELL, A.B., Washing-  
 ton University, 1959  
 KLAUS ERICH BIALLOWONS  
 PAUL JOSEPH BIEDENHARN, A.B.,  
 Washington University, 1959  
 ROBERT ALLAN BIELINSKI  
 IRWIN LIONEL BLISS  
 DONALD JACKSON BOON, B.S., Purdue  
 University, 1959  
 PETERIS BORMANIS, A.B., Northwestern  
 University, 1959  
 DEE CHARLES BOSWELL, B.S., 1959  
 JOSEPH DAVID BOYD  
 THOMAS HENRY BRENDEN  
 MARVIN BERNARD BROOKS  
 LAWRENCE BRYSKIN  
 EARL SCOTT BUCHELE, A.B., McKendree  
 College, 1954  
 DALE FORREST BURTON  
 CARLOS BOYD GODFREY CAMPBELL, B.S.,  
 M.S., 1955, 1957  
 WILLIAM DELOS CARLOCK, A.B., 1960  
 ALLEN BRUCE CARLSON  
 ROBERT ALLAN CARRARA  
 RICHARD GLENN CHENOWETH, B.S., 1957  
 THOMAS WILLIAM CLARK  
 SEYMOUR IRA COHEN, B.S., 1958  
 ARNOLD MARVIN COHN, A.B., North-  
 western University, 1959  
 FRED VAIL COLBY, B.S., 1957  
 PHILLIP ALEXANDER COLLINS, A.B.,  
 Xavier University, 1959  
 BERNARD LEONARD CONIGLIO, JR., A.B.,  
 Virginia Military Institute, 1959  
 DAVID HENRY COPE

JOHN MEDFORD CORBOY  
 NED NATHANIEL COWAN  
 RICHARD HENRY CULHANE, B.S., St.  
 Louis University, 1958  
 JAMES EUGENE DAMON, A.B., Rockford  
 College, 1959  
 JAY LEONARD DASKAL, B.S., 1959  
 DENNIS PAUL DAUT  
 FRANCIS O'BRYAN DAVIS  
 NORMAN EUGENE DEARNBARGER, B.S.,  
 Eastern Illinois University, 1959  
 TERRENCE CONSTANT DEMOS, B.S.,  
 Roosevelt University, 1959  
 DIAMOND DONALD DETTORE  
 JOHN GILBERT DIETRICH, B.S., 1959  
 JOHN MICHAEL DLUHY, B.S., 1959  
 HENRY DANIEL DRAYER  
 BURDETT SHERIDAN DUNBAR  
 LAWRENCE FREDERICK DUNKELBERGER  
 JOSEPH ARTHUR DUPONT  
 CHARLES THEODORE EGLI, B.S.,  
 Wheaton College, 1959  
 PETER CASE EVANSON  
 ROBERT EVERAKES  
 RONALD ALLAN FEINGOLD  
 BRUCE DUANE FICK, B.S., 1959  
 PETER JOHN FISCHINGER  
 BERNARD PATRICK FLAHERTY, B.S.,  
 Roosevelt University, 1959  
 DONALD JOSEPH FLEISCHLI, with  
 Honors  
 ROBERT PAUL FORESMAN  
 PETER LEIGH FORSBERG, B.S., Wheaton  
 College, 1959  
 JOHN ROSCOE FOSTER, B.S., Northern  
 Illinois University, 1959  
 DAVID ALEXANDER GALLO  
 DAVID HAROLD GARFIELD  
 ARTHUR EDWARD GATENBY  
 JAMES THEODORE GLADISH, B.S., 1959  
 MITCHELL SHERWIN GOLBUS, B.S., Illi-  
 nois Institute of Technology, 1960  
 MARSHALL DAVID GOLDIN  
 ARNOLD BURTON GRAUER  
 DONALD LEE GRIFFIN  
 LARRY CHARLES GUNN

- DANIEL GUTIERREZ  
 ROBERT ALAN GUZIEC  
 JEROME AVRUM HAMBURGER  
 DONALD ELMER HARDBECK, B.S.,  
 Shurtleff College, 1957  
 CLARENCE RICHARD HART, A.B., Loras  
 College, 1959  
 CHARLES WILLIAM HASE  
 ALBERT DIPONG HAVERKAMP, A.B.,  
 University of Notre Dame, 1959  
 GILBERT MORRIS HEFTER, A.B., Univer-  
 sity of California, 1959  
 ROGER CLINE HENDRICKS, B.S., 1959  
 CHARLES GOLDEN HENDRICKSON, B.S.,  
 1959  
 LEO MERRILL HENIKOFF, Jr., with High  
 Honors  
 DANIEL JOSEPH HERMAN  
 PHILIP EDWARD HILL, B.S., Iowa State  
 College, 1959  
 TRAVIS LEE HINDMAN  
 PAUL THOMAS HOHE, A.B., Knox  
 College, 1959  
 RALPH DAVID HOLMSTEN, B.S.,  
 Wheaton College, 1958  
 RICHARD LEE HUGHES, A.B., Southern  
 Illinois University, 1959  
 PAUL VIVIAN HUMBERT  
 JON IRWIN ISENBERG  
 DONALD ROBERT JASINSKI  
 EDWARD STEPHEN JENNINGS, Jr., B.S.,  
 Loyola University, 1959  
 ROGER EUGENE JINKINS  
 JAMES THEODORE JOHNSON  
 DALE KEITH JONES, A.B., Southern  
 Illinois University, 1959  
 JERROLD MARVIN KAPLAN  
 LAWRENCE KAYTON  
 KENNETH ROLAND KEER  
 RONALD LEON KELSEY, B.S., Northern  
 Illinois University, 1958; with  
 Honors  
 ROBERT McCURDY KENNEDY, A.B.,  
 Oberlin College, 1959  
 DONALD LEE KERSTE, B.S., North-  
 western University, 1959  
 MARVIN HERMAN KLAPMAN, A.B., 1959  
 JOY WARNER KNIPMEYER, A.B., Asbury  
 College, 1956; M.S., 1958  
 DONALD JOHN KOZIL  
 ARTHUR ELLIS KROFT, B.S., 1959  
 PHILIP ANTHONY LA SPINA, B.S., 1958  
 JOSEPH HENRY LEE, B.S., University of  
 Notre Dame, 1958  
 EDWARD NEIL LEVIN  
 RALPH JOSEPH LEVIN, with Honors  
 SHERWIN ZELMAN LEVIN  
 RICHARD BARRY LEVINE  
 ARTHUR GERALD LIPMAN, B.S., 1959  
 MICHAEL PAUL LIPSICH  
 PHILLIP MARVIN LOEB  
 LEON GERSON LOME  
 JAMES RICHARD LUCHS  
 MARSHALL DONALD LUSTGARTEN  
 MICHAEL MARCHI  
 JUDITH LEE MARSDEN, B.S., University  
 of Wisconsin, 1959  
 CHARLES ELBERT MASON, A.B., Lake  
 Forest College, 1959  
 ROGER ALAN MAUPIN, B.S., 1959  
 JOSEPH HOWARD MAURITZEN  
 BART RICHARD MAYRON  
 JAMES ADELBERT McDERMOTT, B.S.,  
 Wheaton College, 1958  
 MICHAEL ALLAN MESSENGER, A.B.,  
 Ripon College, 1959  
 STUART RONALD MEYERS  
 ALAN PAUL MINTZ, B.S., University of  
 Chicago, 1959  
 DAVID ARTHUR MOROWITZ  
 ALAN HOWARD MORRIS  
 JAMES JOSEPH NEEDLES, A.B., Wash-  
 ington University, 1958  
 NORMAN JOSEPH NEMOY  
 KERRY JON NEWMAN  
 NICHOLAS PETER NINOS, A.B., B.S.,  
 Bradley University, 1958, 1959  
 STEWART IRA ODELL  
 LAWRENCE GEHL ODER  
 ROBERT CHARLES PAPP  
 RAY JEAN PENSINGER  
 JOSEPH THOMAS PINCKARD III, A.B.,  
 University of Kansas, 1959  
 THOMAS HUGH PINKSTAFF, A.B.,  
 Greenville College, 1959  
 JERROLD POLTEROCK, B.S., 1959  
 HENRY HERSCHBIEL REEVES  
 JAMES CALVIN REID  
 LAWRENCE KEITH RICHARDS  
 MACK DAVID RICHEY  
 JERRY LEE ROBERTS  
 GEHRIG MAC ROBINSON  
 DAVID LEIFF ROSEMAN  
 JOEL SANDOR ROSEN, B.S., 1959  
 STEPHEN BERNARD RUSKIN  
 EDWARD JOSEPH SAAD  
 LAWRENCE MERLE SAMPSON  
 MARTIN WESTBROOK SCHAEFER  
 JOHN DAVID SCHMALE, B.S., Wheaton  
 College, 1959; with Honors  
 RONALD MICHAEL SCHMIDT  
 MERLE JOSEPH SCHRODT, A.B., 1959  
 CHARLES ANDREW SETTERSTROM, B.S.,  
 Wheaton College, 1959  
 SHARON RUTH FRANKEL SIEGEL, B.S.,  
 1959  
 ROBERT FREDERICK SIEGERT, B.S., 1959  
 BURTON ERROL SILVER, B.S., Roosevelt  
 University, 1959  
 MARVIN LEE SKOGLUND, B.S., Western  
 Illinois University, 1959  
 CHARLES SLAVIK  
 ROBERT LEE SMITH  
 DAVID SHELDON SOLOMON  
 SAMUEL SOLOMON, B.S., 1959  
 JERRY GORTON SPENNEY  
 RICHARD LYLE SPERLING  
 J. BRUCE STADWISER, A.B., 1959



FRED RICHARD STARK, A.B., 1959  
 ROBERT ALAN STONE  
 ALAN JOHN STUTZ, A.B., Beloit  
 College, 1959  
 PHILIP ARTHUR SWANSON, B.S.,  
 Northern Illinois University, 1959  
 JOHN FREDERICK TAUBER, B.S., 1958;  
 M.S., Illinois Institute of Tech-  
 nology, 1959  
 CHARLES DOUGLAS TAYLOR  
 DANIEL EINAR THOR  
 JERALD TORRHEIM  
 GARY LAWRENCE TURPIN, A.B., Illinois  
 College, 1959  
 PAUL CORNELIUS VANDERBILT  
 CHARLES MINDAUGAS VYGANTAS

BARRY ROBERT WEISS  
 ROBERT ALLEN WEISSMAN  
 JOHN DANA WELCH  
 MARK ALAN WELKE  
 CHARLES FREDRICK WHITE  
 HARRY WHITELEY, A.B., University of  
 Chicago, 1956  
 LORIN DIXON WHITTAKER, Jr., B.S.,  
 1959  
 RAYMOND GOLDEN WILKERSON, Jr.,  
 A.B., University of Chicago, 1955  
 ROGER ARPAD WILLIAMS  
 BURTON FRANK WILLIS  
 ERIC BIRGER WILSON  
 JOSEPH ALPHONSE ZALAR, Jr.

### COLLEGE OF NURSING

#### Degree of Bachelor of Science in Nursing

*Conferred December 14, 1962*

JANICE EICHORN MILLER

*Conferred March 16, 1963*

ROBERTA BEREK  
 MARY LOU BYERS

ELAINE JEAN DLOUHY  
 JANET IRENE PHON, with Honors

*Conferred June 7, 1963*

BARBARA THOMAS ALEXANDER  
 DOROTHY BELL  
 JANET LUAN BOULTINGHOUSE  
 SANDRA ROSE CIOTOLA  
 PARSILA AGITA DRULLIS  
 LOU ANN DUNHAM  
 JANET RUTH ERICKSEN  
 JOSEPHINE ANN GUINTA  
 KAURRYNE LANA KAYMAN  
 EUSTACHIA DIANE KNOEDLER  
 JANET ORI LOBATZ  
 JUNE EDITH MAGUIRE

ANN ELIZABETH MCFARLAND  
 FRANCES JANET MCGUIRE  
 ARLENE JUDY MILLER  
 BETTE ROSE OZMON  
 GRACE TAYLOR PUTNAM, with Honors  
 CAROLE JEAN ROBERTSON  
 LYNN ANN ROBERTSON  
 BETTY JUNE ROTHACKER  
 MARILU SCOGGIN  
 MARY MILDRED SMITH  
 CAROL AGNES VOGEL  
 SALLY ANN WEST

### COLLEGE OF PHARMACY

#### The Degree of Bachelor of Science in Pharmacy

*Conferred August 11, 1962*

GENE PAUL BERNARDONI  
 ROBERT DEAN CARPENTER  
 DAVID JULIUS GERTZ

ALLEN MARTIN IMMERGLUCK  
 EGON KAHN

*Conferred March 16, 1963*

ROBERT JOHN ANDERSON, Jr., A.B., Knox College, 1954

*Conferred June 7, 1963*

JOHN MARK ABRAMIC  
 STANLEY DONALD ADAMCZYK  
 GILBERT WILLIAM ADELSTEIN  
 IRWIN AXELROD  
 Nanci SUE BEILMAN  
 GERALD EDWARD BEJNAROWICZ  
 GREGORY BOGAN BISHOP  
 DONALD LYNN BLANK  
 BARTHOLOMEW MARTIN BLINSTRUP,  
 A.B., Monmouth College, 1959  
 JOSEPH LAWRENCE BORSEI

JAMES ALBERT BOUCHARD  
 RONALD FRANK BRACH  
 WESLEY NEIL BREEZE  
 RALPH EDWARD BROWN  
 ROBERT LEONARD BULINSKI  
 JOHN AUGUST CAROLAN  
 MARVIN EARL CAUSEY  
 ALLEN RONALD COHN  
 DENNIS EARL COLE  
 JAMES EDWARD COLTMAN  
 JAMES ALBERT CONROY, with Honors

JOHN JAMES CSIIHA  
 NOEL PATRICK CUSICK  
 GERALD GEORGE CZAJA  
 PAUL DEFREES  
 CHARLES JACK DEMORY  
 THOMAS EDWARD DICKERHOPE  
 ANNA DOLLY DIDZBALIS  
 GEORGE SCOTT DOUGLAS  
 JUDITH JOHNSON DOUGLAS  
 ROBERT ALLEN DROZT  
 JUDITH HELEN DUCAT  
 ROBERT DEE DUNWORTH  
 DONALD GEORGE EDWARDS, B.S., Illinois  
 Institute of Technology, 1953; with  
 Honors  
 RICHARD STEPHEN EGAN  
 BEVERLY ANN ELLIOTT  
 ROBERT LESLIE FEIN  
 MELVYN HOWARD FOGEL  
 PHILIP FOGEL  
 STUART DAVID GANDELL  
 EDWARD GAR GING GIN  
 TOBY ANN GLICKEN, with High Honors  
 LEONARD STANLEY GRABOWSKI, with  
 Honors  
 BARBARA ALICE GRAMS  
 MURRAY MARSHALL HALE  
 BRADLEY TUCKER HALES, with High  
 Honors  
 EDWARD GEORGE HALSTEAD  
 PERRY VICTOR HALUSHKA, with Honors  
 GEORGE DEWEY HEINZ, JR.  
 HENRY HOWARD HENSCHEN, JR.  
 HERBERT ELMER HIENICK, A.B., Ph.D.,  
 University of Chicago, 1950, 1956;  
 B.S., M.S., Purdue University,  
 1951, 1953  
 NORMAN LEROY HINES  
 ADRIAN KEITH IRVING  
 CLIFFORD ALAN ISACKSON  
 HAROLD ISENBERG, B.S., 1959  
 KENNETH PAUL JESUNAS  
 PAUL MELVIN JURISCH  
 ALLEN ARNOLD KAGAN  
 LARRY ALAN KAHRL  
 ROBERT ELMER KAMM  
 ALLAN IRA KAPLAN  
 STUART DAVID KARLIN  
 SHELBY EARL KAVIN  
 ALAN EDWARD KELLEY  
 NANCY JEANNE KELLY  
 DONALD JAMES KNOX  
 WALTER JOHN KNUEFFER II  
 RICHARD ALVIN KNOTSON  
 WILLIAM JAMES KORZEN  
 RICHARD HAMRE KUHLMAN  
 MICHAEL HENRY LARSON  
 RICHARD JOSEPH LESAK  
 JOSEPH PETER LEVATO  
 MITCHELL GLENN LINK

DELPHINE MONICA LUPINSEI  
 EDWARD MEL MARKEL  
 JOYCE BEVERLY MARTINEK  
 THEODORE HARRY MARZORATI, with  
 Honors  
 JEANETTE ANGELA MATESI  
 THOMAS ANTHONY MCGOVERN  
 BERNARD MARTIN MENSIK, JR.  
 GARY ALDEN MERCER  
 FREDERICK JOHN MERCHANT  
 THOMAS FRED MICHEL  
 DAVID FREDERIC MILLIKAN  
 GERALD SHELDON MOSAK  
 PAUL MOY  
 ROBERT JAMES MURPHY  
 JAMES CHARLES MURRAY  
 ROSEMARIE CECILIA NARDUCCI  
 SYLVESTER NORRIS  
 JAMES FRANCIS NOVAK  
 FRANKLIN DAVIS NUSSBAUM  
 ALLYN KAY O'BYRNE  
 JAMES EDWARD OSBORNE  
 HENRY ERIC PAETSCH  
 LARISSA ALEXANDRA POHORECKI  
 WALTER JOSEPH POLLACK  
 MARILYN MONSON PRINCEPE  
 PETER CHARLES PULEO  
 WENDLAND QUAN  
 WILLIAM JAMES REZABECK  
 THEODORE JONAS ROSEMAN  
 GEORGE DOMINIC ROTCHFORD  
 SISTER ALFRED MARIE RUSSELL, A.B.,  
 Bryn Mawr College, 1934; M.S.,  
 Howard University, 1936; M.S.,  
 Massachusetts Institute of Tech-  
 nology, 1947  
 IRVING SHELDON SANDACK  
 LAURENCE ROY SCHAEER  
 DAVID KIRK SREAGREN  
 DALE EDWARD SIMEK  
 RICHARD JOHN SOKATCH, B.Mus.,  
 M.Mus., University of Michigan,  
 1945, 1948  
 ALLAN GERALD SPIES  
 RICHARD STUART SPIWAK  
 THOMAS HENRY STANCEY  
 SIGMUND STEINFINK  
 SIDNEY WILLIAM STERN  
 GAIL MARILYN STOLL  
 WILLIAM HENRY STONE, with Honors  
 ROBERT DUANE TACKITT  
 GLENN LOUIS TETREV  
 ROBERT EDWARD THURN  
 GEORGE MARTIN TRAMPE  
 ROY LYNN WEBB  
 RICHARD CLEM WERNER  
 EDWARD ELLIS WILLIAMS  
 KATHLEEN MARY WOODS  
 GEORGE EDWARD WRIGHT

#### DELEGATION OF SIGNATURES

At its annual meeting on March 20, 1963, the Board of Trustees of the University of Illinois adopted a resolution authorizing its President

and Secretary to delegate the signing of their names to vouchers to be presented to the Auditor of Public Accounts and to warrants drawn on the Treasurer of the University under the conditions specified in the resolution. The Secretary requests that this resolution be amended to include authorization of Virginia J. Hendrix and Catherine C. Cacioppo to sign his name as Secretary of the Board of Trustees to vouchers against the Auditor of Public Accounts and to warrants on the University Treasurer, covering vouchers approved in accordance with regulations of the Board.

On motion of Mr. Swain, the resolution of March 20, 1963, was amended as requested.

**LETTER FROM THE PRESIDENT OF THE UNIVERSITY OF ILLINOIS  
CHAPTER OF THE AMERICAN ASSOCIATION  
OF UNIVERSITY PROFESSORS**

President Clement called attention to a letter dated June 13, 1963, received by all members of the Board of Trustees from the President of the University of Illinois Chapter of the American Association of University Professors concerning the action of censure taken at the annual meeting of the Association. The following is an extract of the paragraphs in the letter pertinent to this matter:

"Those of us from this campus who were delegates to the Annual Meeting of the A.A.U.P. in San Francisco and those of us who were recently elected officers of the Urbana Chapter are deeply concerned about the effects of the censure and earnestly hope that events during the coming months will warrant removal of the censure at the next Annual Meeting in St. Louis. We believe that the great majority of the faculty share these views.

"In behalf of my colleagues, let me express the hope that the President and the Board of Trustees will be able to achieve an accommodation and understanding with the national officials of the A.A.U.P. so that Committee 'A' on Academic Freedom and Tenure will recommend removal of censure at the next Annual Meeting.

"The Urbana Chapter of A.A.U.P. has had a cordial and constructive working relationship with the University Administration for some years. We hope and expect that this relationship will continue unimpaired.

"Yours sincerely,

RICHARD C. WILCOCK  
President"

President Clement has replied to this letter on behalf of the Trustees, and a copy has been filed with the Secretary.

**SECRETARY'S REPORTS**

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, declinations, and terminations; leaves of absence.

**APPOINTMENTS MADE BY THE PRESIDENT**

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ADELMAN, GARY S., Assistant Professor of English, Summer Session of 1963, June 17-August 10, 1963, \$1,667 for the period (6-4-63).

ARAMAKI, SEIYA, Research Associate in Physics (C), one year from September 1, 1963, \$7,500 (5-31-63).

ARNETT, EDWARD M., Visiting Lecturer in the Department of Chemistry and Chemical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$2,700 for the period (5-28-63).

- ASTON, KATHARINE O., Assistant Professor of English, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$723 for the period (5-29-63).
- BAIRD, JACK R., Research Associate in Electrical Engineering (S), three months from June 1, 1963, \$833.33 a month, supersedes (5-28-63).
- BAKER, C. M. ANN, Research Associate in Physiology and Biophysics, three months from June 1, 1963, \$650 a month, supersedes (5-31-63).
- BAKER, RONALD L., Instructor in Business English, academic year beginning September 1, 1963, \$5,000 (5-31-63).
- BALDWIN, GARY N., Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-4-63).
- BARTON, FURMAN W., Assistant Professor of Civil Engineering, Summer Session of 1963,  $\frac{3}{4}$  time, June 17-August 10, 1963, \$676 for the period (6-4-63).
- BATES, CYRIL P., Instructor in Electrical Engineering (C),  $\frac{1}{4}$  time, academic year beginning September 1, 1963, \$1,350 (5-21-63).
- BAULING, FREDERICK G., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1963,  $\frac{3}{4}$  time, June 17-August 10, 1963, \$1,200 for the period (5-6-63).
- BEEBY, JOHN L., Research Associate in Physics (C), one year from September 1, 1963, \$8,000 (5-6-63).
- BENNETT, DELMOND N., Assistant Professor of Speech and Theatre,  $\frac{1}{2}$  time, and Coordinator of the Summer Residential Program,  $\frac{1}{2}$  time, Summer Session of 1963, June 17-August 10, 1963, \$1,556 for the period, supersedes previous Summer Session appointment (5-28-63).
- BENZEL, JAMES F., Research Associate in Ceramic Engineering (S), three months from June 1, 1963, \$550 a month, supersedes (5-31-63).
- BIANCHINI, ALBERT C., Associate Professor of Theoretical and Applied Mechanics, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$934 for the period (5-6-63).
- BILOKUR, BORYS, Assistant in Russian, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period, supersedes previous Summer Session appointment (5-28-63).
- BLACHFORD, CAMERON W., Instructor in Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$1,445 for the period (5-23-63).
- BOGDANSKA, HALINA, Research Associate in Animal Science (S), September 16, 1963-August 31, 1964, \$6,500 a year (5-28-63).
- BONBREST, HELEN C., Research Assistant in Medicine (Medicine), one year from July 1, 1963, \$5,150 (5-6-63).
- BRADLEY, WAYNE E., Research Assistant in the State Water Survey, one year from July 1, 1963, \$7,200 (5-17-63).
- BRANDIS, ROYALL, Professor of Economics, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$1,262 for the period, supersedes previous Summer Session appointment (5-23-63).
- BRISCOE, JOHN W., Professor of Civil Engineering, Summer Session of 1963,  $\frac{1}{4}$  time, July 15-August 10, 1963, \$374 for the period (5-23-63).
- BROWSKI, LORETTA A., Assistant in Physical Education for Women (Chicago Undergraduate Division), nine months from September 16, 1963, \$5,000 (5-31-63).
- BRUGGE, JOHN F., Research Assistant in Physiology and Biophysics, three months from June 1, 1963, \$408.32 a month, supersedes (5-31-63).
- CAMPBELL, A. NORMAN, Visiting Lecturer in the Department of Chemistry and Chemical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$2,067 for the period (5-16-63).
- CAPPS, JOAN P., Instructor in Mathematics,  $\frac{1}{4}$  time, and in the Computer Program,  $\frac{3}{4}$  time (Vice-President's Office, Chicago Undergraduate Division), academic year beginning September 1, 1963, \$6,400 (5-31-63).
- CARTER, HARRY H., JR., Instructor in Music,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,650 (5-13-63).
- CHEN, YUH CHING, Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-4-63).
- CHINNOV, IGOR V., Visiting Lecturer in Russian, Summer Session of 1963, June 17-August 10, 1963, \$2,000 for the period (5-29-63).
- CHOW, DAVID KUO-KIEN, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1963, \$466.66 a month (5-28-63).

- CHRISTIAN, JOHN W., Visiting Professor of Metallurgy (C), one month from June 16, 1963, \$1,800 (5-31-63).
- CLIFFORD, JOHN J., Research Associate in Education (University High School), one year from September 1, 1963, \$11,000 (5-31-63).
- COOK, ROBERT L., Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 17/100 time, June 17-August 10, 1963, \$150 for the period (5-22-63).
- COSTELLO, GEORGE A., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$945 for the period (5-6-63).
- COURTNEY, HARLEY, Instructor in Accountancy,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$2,500 (5-15-63).
- COWIN, JOHN W., Instructor in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{5}{8}$  time, June 21-August 16, 1963, \$1,334 for the period (5-14-63).
- CRANK, FLOYD L., Associate Professor in the Bureau of Educational Research, July 14-August 10, 1963, \$967, additional (5-6-63).
- CROW, MERWIN R., Instructor in Hygiene and Psychiatric Social Worker in the Health Service, one year from September 1, 1963, \$9,000 (5-13-63).
- CROW, W. D. L., Research Associate in Chemistry, eleven months from October 1, 1963, \$6,600 a year (5-28-63).
- DALTON, YVONNE Y., Assistant in English, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period, supersedes previous Summer Session appointment (5-16-63).
- DARWISH, DAVID, Visiting Lecturer in the Department of Chemistry and Chemical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$2,250 for the period (5-28-63).
- DEMARI, EDWIN J., Associate Professor of Management, Summer Session of 1963, June 17-August 10, 1963, \$2,334 for the period (6-4-63).
- DENLINGER, CHARLES G., Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-4-63).
- DENNIS, J. RICHARD, Research Associate in Education (University High School), one year from September 1, 1963, \$8,400 (5-31-63).
- DENNIS, MRS. NANCY J., Assistant in Physical Education for Women (Chicago Undergraduate Division), nine months from September 16, 1963, \$5,300 (5-31-63).
- DETWILER, BETTY C., Instructor in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$1,445 for the period (6-4-63).
- DILLEY, CLYDE A., Research Associate in Education (University High School), one year from September 1, 1963, \$9,900 (5-31-63).
- DJORUP, FRANS M., JR., Assistant Professor of Mathematics, two months from July 1, 1963, \$708.33 a month, supersedes (5-13-63).
- DRAGO, RUSSELL S., Associate Professor of Inorganic Chemistry, Summer Session of 1963, June 17-August 10, 1963, \$2,023 for the period (5-16-63).
- ECKLUND, ROBERT E., Instructor in Medicine (Medicine), one year from July 1, 1963, \$7,200 (5-22-63).
- ENKE, ERNEST L., Instructor in Accountancy,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$2,500 (5-22-63).
- ERNST, EDWARD W., Associate Professor of Electrical Engineering, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$1,312 for the period, supersedes previous Summer Session appointment (5-23-63).
- ERNST, RICHARD L., Instructor in Economics, academic year beginning September 1, 1963, \$8,300 (5-22-63).
- EXLINE, GERALD L., Instructor in Architecture, academic year beginning September 1, 1963, \$7,500 (5-6-63).
- FELLMANN, JEROME D., Associate Professor of Geography, Summer Session of 1963, June 17-August 10, 1963, \$2,178 for the period, supersedes previous Summer Session appointment (5-16-63).
- FERGUSON, WILLIAM A., Associate Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$2,112 for the period, supersedes previous Summer Session appointment (6-4-63).
- FERRELL, RAY E., JR., Assistant in Geology, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (5-16-63).

- FERRIER, ELMER E., Research Associate in the Institute for Research on Exceptional Children, June 17-August 10, 1963, \$1,000 (5-22-63).
- FERRIS, DONALD R., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$2,000 for the period (5-23-63).
- FLENNER, ROSS H., Senior Research Programmer in the Digital Computer Laboratory, three months from June 1, 1963, \$875 a month, supersedes (5-22-63).
- FLUMMERFELT, JOSEPH R., Instructor in Music,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,650 (5-13-63).
- FOGHT, JAMES L., Research Assistant in Chemistry, April 1-June 15, 1963, \$488.89 a month, supersedes (5-6-63).
- FUJITA, TOSHIO, Research Associate in Chemistry, one year from September 1, 1963, \$6,500 (5-28-63).
- GANS, RENA, Research Assistant in the State Water Survey, one year from July 1, 1963, \$5,700 (5-17-63).
- GANTT, CLARENCE L., Assistant Professor of Medicine (Medicine), two months from July 1, 1963, \$1,333.33 a month (5-9-63).
- GERMAN, VICTOR F., Research Assistant in Chemistry, four months from May 1, 1963, \$448.33 a month, supersedes (5-16-63).
- GERSTNER, ROBERT, Assistant Professor of Civil Engineering (Chicago Undergraduate Division), June 24-August 15, 1963, \$1,867, additional (5-17-63).
- GLADNEY, FRANK Y., Instructor in Russian, academic year beginning September 1, 1963, \$7,000 (5-31-63).
- GOMOLL, ALLEN W., Assistant Professor of Pharmacology (Medicine), two months from July 1, 1963, \$944.45 a month, additional (5-23-63).
- GOURISHANKAR, VEMBU, Assistant Professor of Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$1,689 for the period, supersedes previous Summer Session appointment (5-23-63).
- GREENBERG, NAHMAN H., Assistant Professor of Psychiatry (Medicine), one year from July 1, 1963, \$15,500, supersedes (5-8-63).
- GRIFFEY, ANN V., Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 17/100 time, June 17-August 10, 1963, \$150 for the period (5-22-63).
- GRUNER, BARBARA J., Research Assistant in the State Water Survey, one year from July 1, 1963, \$5,500 (5-17-63).
- GULDNER, RUTH C., Acquisition Assistant in the Library, one year from September 1, 1963, \$5,500 (5-16-63).
- HALE, JONATHAN, Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 17/100 time, June 17-August 10, 1963, \$150 for the period (5-22-63).
- HALKO, ARLENE A., Clinical Assistant Professor of Radiology (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1963, \$1,800, supersedes nonsalaried appointment (5-31-63).
- HANSELL, SVEN H., Instructor in Music, academic year beginning September 1, 1963, \$6,900 (5-22-63).
- HARMER, RICHARD S., III, Research Assistant in Ceramic Engineering (C), one year from September 1, 1963, \$5,400 (5-8-63).
- HAYWARD, HAROLD N., Professor of Electrical Engineering in the Indian Institute of Technology, Kharagpur, India, one year from May 12, 1963, \$19,621, supersedes (5-13-63).
- HEIM, GEORGE E., Research Associate in Secondary and Continuing Education, June 17-August 10, 1963, \$1,780 (5-28-63).
- HELLER, FLOYD N., Instructor in Anesthesiology, Department of Surgery (Medicine),  $\frac{3}{4}$  time, May 10-August 31, 1963, \$828.33 a month, supersedes nonsalaried appointment (5-24-63).
- HENNE, BERTRAND W., Assistant in the Institute of Aviation, two months from June 16, 1963, \$475 a month (5-16-63).
- HESELBERTH, CASSIUS A., Instructor in Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$1,156 for the period, supersedes previous Summer Session appointment (5-23-63).
- HETHERINGTON, JACK H., Research Associate in Physics (C), two months from June 16, 1963, \$800 a month (5-22-63).

- HOCHHAUSER, MARTIN, Clinical Assistant Professor of Radiology (Medicine), 1/10 time, three months from June 1, 1963, \$120.84 a month, supersedes (5-23-63).
- HOHN, FRANZ E., Associate Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$2,400 for the period (6-4-63).
- HUNT, CHARLES K., Associate Professor of Chemistry, Summer Session of 1963, June 17-August 10, 1963, \$2,156 for the period (5-16-63).
- INGALLS, ROBERT L., Research Associate in Physics (C), one year from September 1, 1963, \$8,500 (5-6-63).
- IVERSEN, MRS. AUDREY N., Classics Librarian, with rank of Instructor (Library), one year from September 1, 1963, \$7,500 (5-31-63).
- JACOBSON, ALBERT S., Research Associate in Education (University High School), one year from September 1, 1963, without salary (5-31-63).
- JENNINGS, C. A., Visiting Lecturer in Speech and Theatre, 1/2 time, and in University Theatre, 1/2 time, Summer Session of 1963, June 17-August 10, 1963, \$1,750 for the period (5-6-63).
- JOINER, CHARLES A., Visiting Lecturer in Political Science, Summer Session of 1963, June 17-August 10, 1963, \$2,000 for the period (5-28-63).
- JONES, ROBERT M., Instructor in Theoretical and Applied Mechanics (C), 1/2 time, academic year beginning September 1, 1963, \$2,700 (5-13-63).
- KARLSTROM, PAUL E., Instructor in General Engineering (C), 1/4 time, academic year beginning September 1, 1963, \$1,700 (5-6-63).
- KATZ, MORRIS W., Visiting Lecturer in Mathematics, Summer Session of 1963, 1/2 time, June 17-August 10, 1963, \$1,000 for the period (6-4-63).
- KAUFMAN, MARGUERITE S., Assistant Architecture Librarian, with rank of Instructor (Library), one year from September 1, 1963, \$7,000 (5-14-63).
- KELLOGG, MRS. ISABEL M., Assistant Professor of Occupational Therapy (Medicine), 1/2 time, four months from June 1, 1963, \$354.17 a month (5-31-63).
- KILLIAN, THOMAS J., Research Associate in the Coordinated Science Laboratory (C), 1/2 time, one year from September 1, 1963, \$3,180 (5-28-63).
- KINNEY, PAUL T., Assistant Professor of Finance, two months from June 16, 1963, \$1,011.11 a month, additional (5-28-63).
- KOCH, MRS. ANITA, Assistant in Nursing, academic year beginning September 1, 1962, \$5,150, supersedes (5-17-63).
- KOESTER, PAUL W., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$2,000 for the period (5-16-63).
- KULIS, JOHN C., Clinical Instructor in Medicine (Medicine), 24/100 time, four months from May 1, 1963, \$150 a month, supersedes nonsalaried appointment (5-31-63).
- LANDRY, JOSEPH P. F., Research Assistant in Physiology and Biophysics, three months from May 16, 1963, \$1,333.32 (5-6-63).
- LANG, MELVIN, Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$2,000 for the period (5-6-63).
- LEBEL, NORMAN A., Visiting Lecturer in the Department of Chemistry and Chemical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$2,250 for the period (5-28-63).
- LEE, CHOOCHON, Research Assistant in Physics (C), two months from June 16, 1963, \$934 (5-16-63).
- LEHMANN, JOHN R., JR., Instructor in Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$1,423 for the period, supersedes previous Summer Session appointment (5-23-63).
- LEON, HECTOR R., Assistant in Anesthesiology, Department of Surgery (Medicine), seven months from December 1, 1962, without salary (5-8-63).
- LIEMAN, DANIEL S., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1963, \$933.32 (5-28-63).
- LINDBLAD, NERO R., Research Assistant in the State Water Survey, one year from July 1, 1963, \$7,500 (5-17-63).
- LINDERHOLM, CARL E., Instructor in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$1,556 for the period (6-4-63).
- LOPEZ-BELIO, MARIANO, Clinical Assistant Professor of Surgery (Medicine), 1/4 time, four months from May 1, 1963, \$180 a month, supersedes (5-6-63).
- LYNCH, ASTA V., Research Assistant in Medicine (Medicine), one year from July 1, 1963, \$5,150 (5-16-63).

- MAINOUS, BRUCE H., Associate Professor of French, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$1,145 for the period, supersedes previous Summer Session appointment (6-4-63).
- MANDY, WILLIAM J., Research Associate in Microbiology, three months from June 1, 1963, \$625 a month (5-22-63).
- MARTENS, GERT, Instructor in Electrical Engineering (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$2,600 (5-8-63).
- MARTIN, WILLIAM O., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$2,800 for the period (5-16-63).
- MASON, ROBERT M., Housefather in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 23/100 time, June 17-August 10, 1963, \$200 for the period (5-22-63).
- MCDONALD, BRUCE E., Research Associate in Animal Science (S), August 1, 1963-August 31, 1964, \$6,500 a year (5-29-63).
- McMASTERS, DONALD L., Visiting Lecturer in Chemistry, nine months from September 16, 1963, \$8,000 (5-28-63).
- McMURRAY, CARL D., Research Associate in Political Science, April 1-May 7, 1963, \$1,008 (5-6-63).
- McQUIETY, MARY E., Assistant in Physical Education for Women (Chicago Undergraduate Division), nine months from September 16, 1963, \$5,200 (5-31-63).
- MENDEL, CLIFFORD W., Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$2,667 for the period (6-4-63).
- MOELLER, KELVIN K., Assistant in the Institute of Aviation, one year from September 1, 1963, \$5,150 (5-28-63).
- MOORE, CHARLES A., Assistant in the Institute of Aviation, two months from June 16, 1963, \$450 a month (5-16-63).
- MORGAN, BRUCE W., Instructor in Economics, academic year beginning September 1, 1963, \$8,500 (5-29-63).
- MOSILLO, FRANCIS A., Assistant Professor of General Engineering (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,489 for the period (5-14-63).
- MUELLER, EUGENE A., Research Associate in the State Water Survey, one year from July 1, 1963, \$11,700 (5-17-63).
- MUELLER, HENRY F., Research Associate in the State Water Survey,  $\frac{1}{2}$  time, one year from July 1, 1963, \$4,625 (5-17-63).
- MUELLER, THOMAS E., Research Associate in the Coordinated Science Laboratory (C),  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,425 (5-28-63).
- MUNSON, KARL F., Instructor in Rural Recreation Extension (Agricultural Economics, and Cooperative Extension Service) (C and E), June 1, 1963-August 31, 1964, \$9,500 a year, supersedes (5-13-63).
- MUNTER, H. STEEN, JR., Assistant in the Institute of Aviation, two months from June 16, 1963, \$450 a month (5-16-63).
- MUSLIN, HYMAN L., Assistant Professor of Psychiatry (Medicine), one year from July 1, 1963, \$13,500 (5-13-63).
- NACHTMANN, FRANCIS W., Associate Professor of French, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$934 for the period (6-4-63).
- NEISWANGER, W. A., Professor of Economics, Summer Session of 1963, June 17-August 10, 1963, \$3,445 for the period (5-23-63).
- NELSON, CLIFFORD M., JR., Assistant in Geology, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-5-63).
- NESSLER, FRANCIS A., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$1,200 for the period (5-6-63).
- NEWMARK, NATHAN M., Professor of Civil Engineering, Summer Session of 1963,  $\frac{1}{4}$  time, June 17-July 13, 1963, \$631 for the period, supersedes previous Summer Session appointment (5-23-63).
- NISHIKAWA, YOSHIHIRO, Research Associate in Chemistry, one year from September 1, 1963, \$6,100 (4-22-63).
- ORLAND, GEORGE H., Instructor in Mathematics, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$834 for the period, supersedes previous Summer Session appointment (6-4-63).
- PADEN, MRS. ELAINE P., Assistant Professor of Speech and Theatre, academic year beginning September 1, 1963, \$7,200 (5-31-63).



- PAGE, KENNETH C., Electron Microscope Engineer in the Electron Microscope Facility (School of Life Sciences), four months from May 1, 1963, \$1,041.66 a month (5-2-63).
- PANEPIINTO, JOAN C., Instructor in Music, academic year beginning September 1, 1963, \$6,500 (5-26-63).
- PARNAS, (MR.) ITZCHAK, Research Associate in Physiology and Biophysics, one year from September 1, 1963, \$6,100 (5-31-63).
- PEACOCK, NANCY K., Research Assistant in the Graduate College, May 13-August 31, 1963, \$429.17 a month (5-16-63).
- PENEV, LUBEN C., Clinical Instructor in Medicine (Medicine), 24/100 time, four months from May 1, 1963, \$150 a month, supersedes nonsalaried appointment (5-31-63).
- PERLMAN, RAYMOND, Associate Professor of Art, Summer Session of 1963, June 17-August 10, 1963, \$2,223 for the period, supersedes previous Summer Session appointment (6-4-63).
- PETERS, J. WILLIAM, Associate Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$2,345 for the period (6-4-63).
- PETERSON, HAROLD A., Supervisor in Speech and Theatre—Summer Residential Program, Summer Session of 1963, June 17-August 10, 1963, \$1,289 for the period (5-23-63).
- PIEPER, WILLIAM J., Instructor in Psychiatry (Medicine),  $\frac{1}{2}$  time, July 1, 1963-August 31, 1964, \$7,000 a year (5-13-63).
- PIKE, NELSON C., Visiting Lecturer in Philosophy, Summer Session of 1963, June 17-August 10, 1963, \$1,900 for the period (5-16-63).
- PINES, DAVID, Professor of Physics (C), two months from June 16, 1963, \$2,000 a month; this is in addition to his present appointment (5-17-63).
- PRITNER, CALVIN L., Assistant Theatre Therapist in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 45/100 time, June 17-August 10, 1963, \$400 for the period (5-22-63).
- QUAY, HERBERT C., Associate Professor of Special Education (Education) and of Psychology (College of Liberal Arts and Sciences), on indefinite tenure from September 1, 1963; and Research Director of the University of Illinois Children's Research Center (Executive Vice-President and Provost's Office), two years from September 1, 1963, \$16,500 a year (5-14-63).
- RAFUSE, ROBERT W., JR., Instructor in Economics, academic year beginning September 1, 1963, \$8,300 (5-22-63).
- RALLEY, THOMAS G., Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-4-63).
- RAMAIAH, KOMMINENI, Research Associate in Chemistry, two months from July 1, 1963, \$508.33 a month (5-22-63).
- REILLY, JAMES R., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine),  $\frac{3}{8}$  time, two months from July 1, 1963, \$425 a month, supersedes (5-29-63).
- RESEK, LOIS D., Research Assistant in the State Water Survey, one year from July 1, 1963, \$6,300 (5-17-63).
- RIFE, HAROLD, Instructor in Business Administration (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,434 for the period (6-4-63).
- ROBERTS, MARGARET R., Research Assistant in the State Water Survey, one year from July 1, 1963, \$6,000 (5-17-63).
- ROEDER, PAUL J., Research Assistant in Ceramic Engineering (S), three months from June 1, 1963, \$1,440 (5-28-63).
- ROSSI, HARRIETT, Instructor in Nursing, one year from September 1, 1962, \$7,650, supersedes (5-16-63).
- RUDERER, CLIFFORD G., Research Assistant in Ceramic Engineering (S), three months from June 1, 1963, \$1,335 (5-23-63).
- RUST, RAY D., Research Assistant in Physics (C), two months from July 1, 1963, \$934 (5-28-63).
- SALINGER, RICHARD, Research Associate in Secondary and Continuing Education, one year from September 1, 1963, \$11,000 (5-13-63).
- SAYAGE, JEROME A., Instructor in Art, Summer Session of 1963,  $\frac{2}{3}$  time, June 17-August 10, 1963, \$845 for the period (6-4-63).
- SCHAUBLE, JOSEPH H., Research Associate in Chemistry, June 16-August 31, 1963, \$1,334, supersedes (5-14-63).

- SCHEVER, FREDERICK D., Assistant in the Institute of Aviation, two months from June 16, 1963, \$465 a month (5-16-63).
- SCHIAPPA, FERDINANDO B., Assistant in Anesthesiology, Department of Surgery (Medicine), three months from April 1, 1963, without salary (5-8-63).
- SCHICK, GUY A., Instructor in Economics, Summer Session of 1963, June 17-August 10, 1963, \$1,634 for the period (5-23-63).
- SEABRIGHT, MRS. FRANCES K., Instructor in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{1}{2}$  time, June 21-August 16, 1963, \$756 for the period, supersedes previous Summer Session appointment (5-14-63).
- SHERBERT, DONALD R., Instructor in Mathematics, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$723 for the period, supersedes previous Summer Session appointment (6-4-63).
- SIDEBOTTOM, OMAR M., Professor of Theoretical and Applied Mechanics, Summer Session of 1963,  $\frac{3}{4}$  time, June 17-August 10, 1963, \$2,001 for the period, supersedes previous Summer Session appointment (5-6-63).
- SIMS, ARTHUR L., Research Assistant in the Graduate College and in the State Water Survey, May 13, 1963-June 30, 1964, \$9,000 a year (5-22-63).
- SINGH, H. DEVENDRA, Research Associate in Animal Science (S), four months from May 1, 1963, \$487.50 a month (5-14-63).
- SKLAR, LAWRENCE, Visiting Lecturer in Philosophy, Summer Session of 1963, June 17-August 10, 1963, \$1,600 for the period (5-16-63).
- SLEIGH, ROBERT C., JR., Visiting Lecturer in Philosophy, Summer Session of 1963, June 17-August 10, 1963, \$1,825 for the period (5-16-63).
- SMITH, EDWARD B., Instructor in Music, academic year beginning September 1, 1963, \$5,050 (5-6-63).
- SMITH, JULIUS, Instructor in Mathematics, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$789 for the period (6-4-63).
- SOLLO, FRANK W., JR., Research Associate in the State Water Survey, 2/10 time, one year from July 1, 1963, \$3,000 (5-17-63).
- STALLMEYER, JAMES E., Professor of Civil Engineering, Summer Session of 1963,  $\frac{3}{4}$  time, June 17-August 10, 1963, \$1,690 for the period (5-23-63).
- STARK, KURT, Research Associate in Chemistry, one year from September 1, 1963, \$6,100 (5-28-63).
- STEARNS, RAYMOND P., Professor of History, Summer Session of 1963, June 17-August 10, 1963, \$3,289 for the period, supersedes previous Summer Session appointment (5-16-63).
- STEFFENS, GEORGIA, Recreation Director in Speech and Theatre—Summer Residential Program, Summer Session of 1963,  $\frac{1}{5}$  time, June 17-August 10, 1963, \$175 for the period (5-23-63).
- STENGEL, SALLY A., Instructor in Medical Illustration (Vice-President's Office at the Medical Center), academic year beginning September 1, 1963, \$5,000 (5-28-63).
- STRAIN, ROBERT J., Research Associate in Electrical Engineering (S), three months from June 1, 1963, \$866.67 a month, supersedes (5-28-63).
- STRANGE, RUSSELL P., Professor of Air Force Science and Head of the Department, on indefinite tenure, from March 1, 1963, without salary (5-13-63).
- SURWILL, BENEDICT J., JR., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$1,000 for the period (5-16-63).
- SWARD, MARCIA P., Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-4-63).
- SWIECA, JORGE A., Research Associate in Physics (C), one year from September 1, 1963, \$7,500 (5-8-63).
- TARTT, MRS. LAURA C., Instructor in the Jane Addams Graduate School of Social Work, academic year beginning September 1, 1963, \$7,500 (4-24-63).
- TERRAS, VICTOR, Assistant Professor of Russian, Summer Session of 1963, June 17-August 10, 1963, \$1,700 for the period, supersedes previous Summer Session appointment (5-29-63).
- TERREAU, BERNARD, Research Assistant in Physics (C), two months from June 16, 1963, \$934 (5-16-63).
- TERRELL, GLENN, JR., Professor of Psychology, on indefinite tenure, and Dean of the College of Liberal Arts and Sciences (Chicago Undergraduate Division), two years from September 1, 1963, \$21,000 a year (5-15-63).

- THAYER, FREDERICK D., III, Assistant in Russian, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period, supersedes previous Summer Session appointment (5-28-63).
- THIEL, GERALD E., Research Assistant in Physics (C), two months from June 16, 1963, \$934 (5-16-63).
- THIER, HERBERT D., Research Associate in Secondary and Continuing Education, one year from September 1, 1963, \$11,400 (5-22-63).
- THOMPSON, WILLIAM R., Assistant in the Graduate School of Library Science, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (5-16-63).
- TIEBOUT, HARRY M., JR., Associate Professor of Philosophy, Summer Session of 1963, June 17-August 10, 1963, \$2,067 for the period, supersedes previous Summer Session appointment (5-16-63).
- TIECKE, RICHARD, Lecturer in Oral Pathology with rank of Professor (Dentistry),  $\frac{1}{2}$  time, three months from June 1, 1963, \$600, supersedes (5-14-63).
- TOROK, NICHOLAS, Associate Professor of Otolaryngology (Medicine),  $\frac{4}{5}$  time, three months from June 1, 1963, \$1,066.66 a month, supersedes (5-28-63).
- TURK, HENRY A., Instructor in Rural Recreation (E), June 15, 1963-August 31, 1964, \$6,300 a year, supersedes (5-28-63).
- TUSSING, RICHARD C., Instructor in Business Management (Bureau of Business Management), three months from June 1, 1963, \$625 a month (5-23-63).
- VANDYKE, PATRICIA A., Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 17/100 time, June 17-August 10, 1963, \$150 for the period (5-22-63).
- WAKAE, MASAMI, Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-4-63).
- WALLER, ROBERT A., Instructor in History (College of Liberal Arts and Sciences),  $\frac{1}{2}$  time, and in Teacher Training Counseling (Education),  $\frac{2}{3}$  time, academic year beginning September 1, 1963, \$7,500 (5-28-63).
- WEBB, HAROLD D., Professor of Electrical Engineering, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$1,256 for the period (5-23-63).
- WEBER, GERALD I., Instructor in Economics, academic year beginning September 1, 1963, \$8,300 (5-22-63).
- WILL, FREDERICK L., Professor of Philosophy, Summer Session of 1963,  $\frac{1}{4}$  time, June 17-August 10, 1963, \$413 for the period (5-16-63).
- WILLIAMS, ERNEST B., Clinical Associate in Preventive Medicine (Medicine), three months from June 1, 1963, without salary (5-23-63).
- WILLETT, MAURITA F., Assistant Professor of English (Chicago Undergraduate Division), June 21-August 16, 1963, \$1,612, additional (5-17-63).
- WITSKEN, JOHN R., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1963, \$933.32 (5-28-63).
- WOLFE, MARTIN S., Research Assistant Professor of Education (University High School), two months from June 16, 1963, \$1,878, additional (5-23-63).
- YEH, ROBERT, Research Assistant in Physics (C), two months from June 16, 1963, \$934 (5-16-63).
- YON, MUSTAFA K., Clinical Assistant Professor of Anesthesiology, Department of Surgery (Medicine),  $\frac{1}{2}$  time, four months from May 1, 1963, \$220.83 a month, supersedes (5-8-63).
- ZETTAS, JAMES P., Clinical Instructor in Orthopaedic Surgery (Medicine), three months from June 1, 1963, without salary (5-23-63).
- ZIEGLER, RUSSELL A., Visiting Lecturer in Advertising (Journalism and Communications), to render service during the first semester of the academic year, September 1, 1963-February 28, 1964, \$4,337.50 (5-23-63).

#### GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- ABDUL-BAKI, AREF A., Summer Fellow in Horticulture, two months from June 16, 1963, \$375 (4-30-63).
- AKIN, FINIS D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).
- ANDERSON, LYNN R., National Science Foundation Summer Fellow in Psychology, June 16-September 7, 1963, \$900 (4-25-63).

- ARONS, HARRIET D., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).
- ASIK, JOSEPH R., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1963, \$2,400 (4-25-63).
- ASPINES, DAVID E., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, \$2,400 (4-25-63).
- BANNA, NABIL R., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).
- BARRY, LYNETTE F., George A. Miller Fellow in English, nine months from September 16, 1963, \$1,600; and two months from June 16, 1964, \$400, supersedes (5-2-63).
- BENARD, EDMUND F., Fellow in Civil Engineering, nine months from September 16, 1963, \$2,000; and two months from June 16, 1964, \$500, supersedes (5-6-63).
- BENOIT, CATHERINE, University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).
- BERNETT, WILLIAM A., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- BERTLAND, ALEXANDER U., II, United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$800 (5-20-63).
- BILLINGTON, JOHN A., Fellow (Intern) in Government and Public Affairs, nine months from September 16, 1963, \$2,025 (5-6-63).
- BOERS, BURDETTE L., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1963, \$2,400 (5-16-63).
- BOLLES, THEODORE F., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- BRAMMER, LINDA R., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- BRIGGS, JERRY L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).
- BRITTAIN, THOMAS M., National Science Foundation Cooperative Fellow in Mechanical Engineering, one year from September 1, 1963, \$2,400 (4-25-63).
- BROMELS, EDWARD, National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- BROSAMLER, GUNNAR, Teaching Fellow in Mathematics, nine months from September 16, 1963, \$1,500; and two months from June 16, 1963, \$375 (3-30-63).
- BROSEMER, RONALD W., Postdoctoral Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$1,556; this is in addition to his appointment as Instructor in Biochemistry (5-28-63).
- BROWN, FREDERICK S., United States Public Health Service Fellow (Trainee) in Chemistry, February 1-August 15, 1963, \$1,444.43 (5-27-63).
- BROWN, MRS. SHARON L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-26-63).
- BUFFINGTON, SIDNEY C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- BUTTERWORTH, DOUGLAS S., Fellow in Anthropology, nine months from September 16, 1963, \$2,000; and two months from June 16, 1963, \$500 (3-30-63).
- CARLSON, LOREN G., Fellow (Intern) in Government and Public Affairs, one year from July 1, 1963, \$2,700 (5-6-63).
- CARNEY, JOSEPH H., Sigma Xi Summer Fellow in Chemistry, two months from June 16, 1963, \$500, supersedes (5-3-63).
- CARRAWAY, KERMIT L., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63); and National Science Foundation Cooperative Fellow in Chemistry, nine months from September 16, 1963, \$2,400 (5-1-63).
- CARTER, ROBERT L., National Aeronautics and Space Administration Fellow in Civil Engineering, one year from September 1, 1963, \$2,400 (5-17-63).
- CHALFANT, JAMES C., United States Office of Education Fellow in Education, nine months from September 16, 1963, \$4,400 (5-7-63).
- CLARK, HERBERT J., National Science Foundation Summer Fellow in Psychology, June 16-September 7, 1963, \$1,020 (5-16-63).

- COLLIER, CHARLES P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- COOPER, JEFFERY M., National Science Foundation Cooperative Fellow in Mathematics, nine months from September 16, 1963, \$1,800 (4-25-63).
- COTE, WILLIAM E., National Science Foundation Summer Fellow in Geology, June 16-September 7, 1963, \$1,020 (5-16-63).
- COTTER, STANLEY, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- COVERDALE, CHARLES E., E. I. du Pont Teaching Fellow in Chemistry, nine months from September 16, 1963, \$1,200 (4-19-63).
- CRALEY, JOHN C., National Science Foundation Summer Fellow in Zoology, June 16-September 7, 1963, \$1,020 (5-16-63).
- CRILEY, BRUCE B., Summer Fellow in Zoology, one month from July 16, 1963, \$187.50 (4-24-63).
- CUTTS, RICHARD, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- DAGRES, JOHN, George A. Miller Fellow in History, nine months from September 16, 1963, \$1,600; and two months from June 16, 1964, \$400, supersedes (5-2-63).
- DAVIS, EMILE M., United States Public Health Service Postdoctoral Fellow (Trainee) in Dentistry at the Medical Center, three months from April 1, 1963, \$542 a month (3-19-63).
- DEGNAN, JUDITH A., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).
- DE VLEGER, DANIEL, Summer Fellow in Political Science, two months from June 16, 1963, \$375 (4-17-63).
- DONEGAN, ROSA M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- DRAPER, MILTON A., Summer Fellow (Trainee) in Physiology, three months from June 16, 1963, \$600 (4-16-63).
- DRUCKER, HARVEY, United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, \$2,800 (5-24-63).
- DUNN, HOWARD E., Phillips Petroleum Company Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-19-63).
- EBNER, CHARLES A., National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, \$1,800 (4-25-63).
- EDGERTON, STEPHENIE G., Summer Fellow in Education, two months from June 16, 1963, \$375 (4-17-63).
- EKDAHL, FRANCIS E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- ELIAS, CHESTER G., Jr., Fellow (Intern) in Government and Public Affairs, nine months from September 16, 1963, \$2,025 (5-6-63).
- FEISTEL, GERALD R., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1963, \$2,400 (4-25-63).
- FINLEY, JUDITH A., Summer Fellow in History, two months from June 16, 1963, \$375 (5-2-63).
- FISHER, BARBARA N., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-16-63).
- FISHER, FARLEY, National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- FLYNN, CHARLES M., Jr., National Science Foundation Cooperative Fellow in Chemistry, nine months from September 16, 1963, \$1,800 (4-25-63).
- FORSMAN, RODERICK G., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (5-16-63).
- FRANKLIN, GUS L., III, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- FRAZER, WILLIAM D., Fellow in Digital Computer Laboratory, September 16, 1963-January 31, 1964, \$750, supersedes (5-2-63).
- FREED, JAMES M., United States Public Health Service Fellow (Trainee) in Physiology, two months from June 16, 1963, \$444.32 (5-23-63).
- FRIEDMAN, ROBERT B., Summer Fellow (Trainee) in Biological Chemistry, three months from June 16, 1963, \$600 (4-16-63).

- FUNG, ALICE S. C., Summer Fellow (Trainee) in Physiology, three months from June 16, 1963, \$600 (4-16-63).
- GAARDER, BARD, Fellow in Law, nine months from September 16, 1963, \$2,000; and two months from June 16, 1964, \$500 (3-30-63).
- GARLAND, ROY E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- GERICKE, WOLFGANG, Summer Fellow (Trainee) in Pharmaceutical Chemistry, three months from June 16, 1963, \$600 (4-16-63).
- GOODMAN, ALAN B., Summer Fellow (Trainee) in Physiology, three months from June 16, 1963, \$600 (4-16-63).
- GORDON, ALAN, National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, \$1,800 (4-25-63).
- GOSSUM, SANDRA A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- GRIMES, GEORGE V., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- GROTZINGER, LAUREL A., Fellow in Library Science, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375 (5-2-63).
- GUNDERSEN, LARRY E., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-20-63).
- GUR-ARIEH, CHAIM, Fellow in Food Technology, September 16, 1963-January 31, 1964, \$900, supersedes (5-2-63).
- GUTMAN, DAVID, National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- HABAS, LINDA B., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1963, \$2,666.66 (5-23-63).
- HAGGSTROM, GUS W., National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1963, \$2,400 (4-25-63).
- HALEY, KENNETH W., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from June 16, 1963, \$2,400 (4-25-63).
- HALL, EDNA J., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, \$2,400 (4-25-63).
- HALL, JEAN, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- HALL, RICHARD S., National Science Foundation Cooperative Fellow in Mathematics, one year from June 16, 1963, \$2,400 (4-25-63).
- HANNULA, THOMAS A., Summer Fellow in Mathematics, two months from June 16, 1963, \$375 (4-1-63); and National Aeronautics and Space Administration Fellow in Mathematics, one year from September 1, 1963, \$2,400, supersedes (5-17-63).
- HARPER, GOIN N., National Science Foundation Summer Fellow in Civil Engineering, June 16-August 10, 1963, \$680 (5-16-63).
- HARRISON, WILLARD W., C. S. Marvel Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-22-63).
- HARTMEN, RICHARD R., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- HAY, ARTHUR J., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- HEBER, WILLIAM J., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).
- HEUER, RONALD E., National Science Foundation Cooperative Fellow in Geology, one year from June 16, 1963, \$2,400 (4-25-63).
- HOCH, JAMES A., United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, \$3,200 (5-24-63).
- HOLLINGTON, M. A., Fellow in English, nine months from September 16, 1963, \$2,000; and two months from June 16, 1964, \$500 (3-30-63).
- HOLMEN, ROBERT L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,835, supersedes (5-6-63).
- HOYT, RONNIE A., National Science Foundation Cooperative Fellow in Electrical Engineering, nine months from September 16, 1963, \$1,800 (4-25-63).
- HUMMEL, FLOYD A., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1963, \$2,400 (4-25-63).

- HURLEY, OLIVER L., United States Office of Education Fellow in Education, nine months from September 16, 1963, \$3,600 (5-7-63).
- IMHOF, VIOLET I., National Science Foundation Cooperative Fellow in Chemistry, nine months from September 1, 1963, \$1,800 (5-16-63).
- INCREMONA, JOSEPH H., Rohm and Haas Company Fellow in Chemistry, nine months from September 16, 1963, \$1,900 (4-19-63).
- JOBES, ROBERT W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- JONES, ALAN K. G., Fellow in Business Administration, nine months from September 16, 1963, \$1,500 (3-30-63).
- JONES, MACK, Summer Fellow in Political Science, two months from June 16, 1963, \$375 (5-2-63).
- JOSEPHSON, CHARLES H., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- JUNG, ROBERT W., Summer Fellow in Philosophy, two months from June 16, 1963, \$375 (4-16-63).
- KAHN, WALTER J., United States Public Health Service Fellow (Trainee) in Ophthalmology at the Medical Center, three months from April 1, 1963, \$1,650, supersedes (3-27-63).
- KARLIN, MARVIN W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- KEENER, RONALD L., National Science Foundation Summer Fellow in Chemistry, June 16-August 10, 1963, \$680 (5-16-63).
- KEITH, HAROLD D., National Science Foundation Cooperative Fellow in Theoretical and Applied Mechanics, one year from September 1, 1963, \$2,400 (4-25-63).
- KELLEHER, JAMES J., National Science Foundation Cooperative Fellow in Mathematics, one year from June 16, 1963, \$2,400 (4-25-63).
- KELLY, THOMAS J., Summer Fellow in History, two months from June 16, 1963, \$375 (5-2-63).
- KENNY, MARGARET A., Summer Fellow (Trainee) in Biological Chemistry, three months from June 16, 1963, \$600 (4-16-63).
- KIECKHEFER, BARBARA J., National Science Foundation Summer Fellow in Botany, June 16-September 7, 1963, \$1,020 (5-16-63).
- KIERGAN, STEPHEN E., National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, \$1,800 (4-25-63).
- KIRKEY, LARRY L., Monsanto Chemical Company Fellow in Chemical Engineering, nine months from September 16, 1963, \$2,000 (4-19-63).
- KNAUPP, JONATHAN E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- KNOFF, JAMES A., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-20-63).
- KOMINEK, LEO A., United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, \$3,200 (5-24-63).
- KOOB, JOHN D., Fellow in Botany, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375 (3-30-63); and Summer Fellow in Botany, two months from June 16, 1963, \$375 (4-16-63).
- KOOF, JAMES V., Summer Fellow (Trainee) in Microbiology, three months from June 16, 1963, \$600 (4-16-63).
- KOPP, LINDA M., Fellow in Russian, nine months from September 16, 1963, \$1,500; and two months from June 16, 1963, \$475, supersedes (5-31-63).
- KRANCH, LINDA L., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-20-63).
- KUBIS, JOHN J., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- KUNZE, BARBARA A., Fellow in Mathematics, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375 (3-30-63).
- LABACH, WILLIAM A., National Science Foundation Summer Fellow in Mathematics, June 16-August 10, 1963, \$680 (5-16-63).
- LARSON, CARL S., National Science Foundation Summer Fellow in Mechanical Engineering, June 16-August 10, 1963, \$680 (5-16-63).
- LARYEA, JEMIMA U., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).

- LATTA, THOMAS M., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- LEHMANN, GERALD A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- LINE, WILLIAM F., Summer Fellow (Trainee) in Biological Chemistry, three months from June 16, 1963, \$600 (4-16-63).
- LISTER, BASIL M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).
- LOOS, JAMES S., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, \$2,400 (4-25-63).
- LUCAS, JOHN F., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).
- LYNCH, RICHARD W., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from June 16, 1963, \$2,400 (4-25-63).
- MARTIN, LAWRENCE L., Edward Orton Jr. Foundation Fellow in Ceramic Engineering, nine months from September 16, 1963, \$1,600 (5-29-63).
- MARTIN, PRESTON K., Standard Oil Company (of California) Fellow in Chemistry, nine months from September 16, 1963, \$2,400 (4-19-63).
- MARTIN, SANFORD M., JR., National Science Foundation Summer Fellow in Economics, June 16-September 7, 1963, \$1,020 (5-16-63).
- MCCORMICK, JAMES L., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from June 16, 1963, \$2,400 (4-25-63).
- MCDOWELL, LELAND K., National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1963, \$2,400 (4-25-63).
- MCGEARY, DAVID F. R., National Science Foundation Summer Fellow in Geology, June 16-September 7, 1963, \$1,020 (5-16-63).
- MCGLAMERY, MARSHAL D., National Science Foundation Cooperative Fellow in Agronomy, one year from September 1, 1963, \$2,400 (4-25-63).
- McKAUGHAN, LARRY S., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (5-17-63).
- MILLER, DONALD M., United States Public Health Service Fellow (Trainee) in Physiology, two months from June 16, 1963, \$444.34 (5-23-63).
- MILLER, LARRY L., Eli Lilly Company Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-19-63).
- MISCHKE, RICHARD E., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, \$2,400 (4-25-63).
- MISHKIN, DAVID J., National Science Foundation Summer Fellow in Economics, June 16-September 7, 1963, \$1,020 (5-16-63).
- MOEHLIS, RONALD D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- MONNARD, RICHARD F., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- MORRIS, ALAN H., Medical Student Alternative Quarter Fellow, March 18-June 8, 1963, \$200 (4-4-63).
- MORRIS, CHARLES G., II, National Science Foundation Cooperative Fellow in Psychology, one year from September 1, 1963, \$2,400 (4-25-63).
- MOSS, STEVEN A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).
- MUESING, RICHARD A., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-16-63).
- MULHOLLAND, ROYAL W., Summer Fellow in Education, two months from June 16, 1963, \$375 (4-16-63).
- MURPHY, JAMES T., Fellow (Intern) in Government and Public Affairs, nine months from September 16, 1963, \$2,025 (5-6-63).
- MURRAY, CECIL P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- MYERS, DAVID D., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, June 1, 1963-June 30, 1964, \$7,041.66 (5-24-63).
- NELSON, NORMAN N., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- NEWMAN, L. MICHAEL, National Science Foundation Summer Fellow in Psychology, June 16-August 10, 1963, \$680 (5-16-63).



- ODELL, STANLEY J., Summer Fellow in Philosophy, two months from June 16, 1963, \$375 (4-16-63).
- OEHMKE, RICHARD W., Minnesota Mining and Manufacturing Company Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-19-63).
- O'NEILL, WILLIAM P., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- ORR, MARGERY A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- OSBORN, THOMAS R., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1963, \$2,400 (4-25-63).
- PAIGE, JAMES P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- PALMER, RICHARD A., National Science Foundation Summer Fellow in Chemistry, June 16-August 24, 1963, \$850 (5-16-63); and August Kochs Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-19-63).
- PARR, CHRISTOPHER A., Summer Fellow in Chemistry, two months from June 16, 1963, \$375 (4-26-63).
- PATTEN, JOSEPH, Summer Fellow in Labor and Industrial Relations, two months from June 16, 1963, \$375 (3-26-63).
- PERKINS, WILLIAM E., United States Public Health Service Fellow (Trainee) in Physiology, two months from June 16, 1963, \$444.34 (5-23-63).
- PETROVICH, JOHN P., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1963, \$2,400 (4-25-63).
- PIEPMEIER, EDWARD H., Chemical Industries Council Summer Fellow in Chemistry, two months from June 16, 1963, \$500 (4-24-63).
- PIFER, JOE H., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1963, \$2,400 (4-25-63).
- PLEVAN, ROBERT E., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from June 16, 1963, \$2,400 (4-25-63).
- POGANY, DENNIS, Summer Fellow (Trainee) in Pharmaceutical Chemistry, three months from June 16, 1963, \$600 (4-16-63).
- PORTER, JAMES A., JR., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 16, 1963, \$6,000 (5-24-63).
- PORTUGAL, FRANKLIN H., Summer Fellow (Trainee) in Biological Chemistry, three months from June 16, 1963, \$600 (4-16-63).
- PRATT, LARRY D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- PURCELL, KEITH F., Chemical Industries Council Summer Fellow in Chemistry, two months from June 16, 1963, \$500 (4-24-63).
- RANDALL, WILLIAM J., Monsanto Chemical Company Fellow in Chemistry, nine months from September 16, 1963, \$1,800 (4-25-63).
- RAZ, AMIRAM, Wright Fellow in Food Technology, nine months from September 16, 1963, \$1,800; and two months from June 16, 1964, \$600 (4-15-63).
- REHM, ALLAN S., National Science Foundation Summer Fellow in Mathematics, June 16-September 7, 1963, \$1,020 (5-16-63).
- RIFKA, WILLIAM C., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- ROACH, WILLIAM R., National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, \$1,800 (4-25-63).
- ROSENBERG, HARRY C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- ROSENBERG, RICHARD L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- RUTH, ROBIN C., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-20-63).
- RYAN, ROBERT P., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1963, \$700 (5-7-63).
- RYAN, SHEILA P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- RYCKMAN, DAVID B., United States Office of Education Fellow in Education, nine months from September 16, 1963, \$2,800 (5-7-63).
- SAEGER, KAY E., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1963, \$2,666.66 (5-23-63).

- SAGERS, RICHARD D., Postdoctoral Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$2,445; this is in addition to his present appointment as Visiting Lecturer in Chemistry (5-28-63).
- SAIN, MICHAEL K., National Science Foundation Summer Fellow in Electrical Engineering, June 16-August 17, 1963, \$765 (5-16-63).
- SAMUEL, WILLIAM S., JR., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- SANDFORD, PAUL A., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-16-63).
- SAUNDERS, GRADY F., United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, \$3,200 (5-24-63).
- SCHIMBOR, RICHARD F., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1963, \$2,400 (4-25-63).
- SCOTT, ALAN N., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- SELL, MAURICE G., JR., Procter and Gamble Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,800 (4-26-63).
- SENSABAUGH, RICHARD G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- SHIER, JOHN S., National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, \$1,800 (4-25-63).
- SHOFFNER, JAMES P., Summer Fellow (Trainee) in Pharmaceutical Chemistry, three months from June 16, 1963, \$600 (4-16-63).
- SINGH, AMARJIT H., Teaching Fellow in Physics, nine months from September 16, 1962, \$1,800; and two months from June 16, 1963, \$350, supersedes (5-5-63).
- SIRBASKU, DAVID A., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (4-1-63).
- SISTER MARY K. FELLIN, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- SISTER MARY ST. MARGARET PUMPHRET, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$1,800 (4-25-63).
- SMITH, ALTON L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- SMITH, JOHN E., JR., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, \$2,400 (4-25-63).
- SMITH, THEODORE F., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1963, \$2,100 (5-16-63).
- SOJA, DOROTHY M., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-27-63).
- SON, JAIME S., Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,800; and two months from June 16, 1964, \$600 (4-30-63).
- SPICER, LARRY D., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- SPINOSA, FRANK, Special Fellow in Music, nine months from September 16, 1963, \$1,500 (4-24-63).
- STANCL, DONALD L., National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1963, \$2,400 (4-25-63).
- STEPHENS, JOHN K., National Science Foundation Cooperative Fellow in Mathematics, nine months from September 16, 1963, \$1,800 (4-25-63).
- STOLL, CHARLES H., National Science Foundation Cooperative Fellow in Mechanical Engineering, one year from September 1, 1963, \$2,400 (4-25-63).
- STONE, ALEXANDER P., Teaching Fellow in Mathematics, nine months from September 16, 1963, \$1,500; and two months from June 16, 1963, \$375 (3-30-63).
- STONE, MARY A., Teaching Fellow in Education, nine months from September 16, 1963, \$1,500; and two months from June 16, 1963, \$375 (3-30-63).
- STROMSTA, ROGER R., National Aeronautics and Space Administration Fellow in Mechanical Engineering, one year from September 1, 1963, \$3,000, supersedes (5-17-63).
- STRUNK, RICHARD D., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1963, \$2,400 (5-16-63).
- SUCONICK, NAOMI, Fellow in English, nine months from September 16, 1963, \$2,000; and two months from June 16, 1964, \$500 (3-30-63).

- SUSSMANN, ROSALINA, National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- SWALLOW, RONALD J., United States Public Health Service Predoctoral Fellow in Biophysics, one year from February 1, 1963, \$3,200 (4-16-63).
- TASCH, ALOYSIOUS F., National Aeronautics and Space Administration Fellow in Physics, one year from September 1, 1963, \$2,400, supersedes (5-17-63).
- TAYLOR, BERT A., National Science Foundation Summer Fellow in Mathematics, June 16-August 10, 1963, \$680 (5-16-63); and National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1963, \$2,400 (4-25-63).
- THOMAS, JOHN D., Summer Fellow in Speech, two months from June 16, 1963, \$375 (4-16-63).
- THOMPSON, STEPHEN L., Summer Fellow in Anthropology, two months from June 16, 1963, \$375 (4-16-63).
- TOMASSON, RICHARD F., Fellow in Sociology, three months from June 16, 1963, \$900; this is in addition to his appointment as Assistant Professor of Sociology and in the Division of General Studies (5-13-63).
- TREACY, DAVID F., Summer Fellow in Communications, two months from June 16, 1963, \$375 (4-16-63).
- TRIMBLE, RALPH W., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (5-17-63).
- TROWBRIDGE, GEORGE C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- UDDIN, DAVID E., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).
- UNDERHILL, DONALD K., Summer Fellow in Zoology, two months from June 16, 1963, \$375 (4-17-63).
- VAICHULIS, EUGENE M., Summer Fellow (Trainee) in Microbiology, three months from June 16, 1963, \$600 (4-16-63).
- VAN DER VOORN, PETER C., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- VAUGHAN, ROBERT W., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from September 1, 1963, \$2,400 (4-25-63).
- VAYO, HARRIS W., United States Public Health Service Fellow (Trainee) in Biophysics, two months from June 16, 1963, \$444.34 (5-23-63).
- VERGIN, MARCIA A., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-20-63).
- VIRUS, CAROLYN R., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).
- WAGNER, CURTIS A., National Science Foundation Cooperative Fellow in Physics, one year from September 16, 1963, \$2,400 (4-25-63).
- WALKER, LEIGH E., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1963, \$2,400 (4-25-63).
- WALSH, JOHN B., National Science Foundation Cooperative Fellow in Mathematics, nine months from September 16, 1963, \$1,800 (4-25-63).
- WATANABE, RENATE G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$1,800 (4-25-63).
- WEIMER, RICHARD C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- WEST, HOVAL B., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- WILKINSON, JACK W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- WILSON, GEORGE S., National Science Foundation Summer Fellow in Chemistry, June 16-August 24, 1963, \$850 (5-16-63).
- WILSON, JOHN E., Parke, Davis Company Summer Fellow in Chemistry, two months from June 16, 1963, \$700 (4-26-63).
- WILSON, PAUL R., National Science Foundation Cooperative Fellow in Mathematics, one year from June 16, 1963, \$2,400 (4-25-63).
- WINTERBAUER, WILLIAM L., JR., National Science Foundation Cooperative Fellow in Mechanical Engineering, one year from September 1, 1963, \$2,400 (4-25-63).
- WISEMAN, DOUGLAS E., United States Office of Education Fellow in Education, nine months from September 16, 1963, \$4,000 (5-7-63).

- WOLFE, BARRY E., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (5-17-63).  
 WOLLERSHEIM, JANET P., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$2,000 (5-17-63).  
 WOODFIN, BEULAH M., United States Public Health Service Fellow (Trainee) in Chemistry, May 1-August 15, 1963, \$1,956 (5-24-63).  
 WOZNIAK, LOUIS, National Science Foundation Summer Fellow in Electrical Engineering, June 16-August 10, 1963, \$680 (5-16-63).  
 WRZESZCZ, OWEN E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).  
 WYDER, JOSEPH G., JR., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).  
 YAMASHIROVA, HERBERT M., Summer Fellow (Trainee) in Microbiology, three months from June 16, 1963, \$600 (4-16-63).  
 YEN, SIAN L., Fellow in Linguistics, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375 (5-23-63).

#### RESIGNATIONS, DECLINATIONS, AND TERMINATIONS

- BALDINO, MRS. EVANGELINE, Acquisition Assistant in the Library—resignation effective June 22, 1963.  
 BLYTH, COLIN R., Professor of Mathematics, Summer Session of 1963—declination effective June 17, 1963.  
 BORCHERS, GERTRUDE L., Professor of Nutrition—resignation effective July 16, 1963.  
 BRIDGES, THOMAS W., Instructor in Music—resignation effective September 1, 1963.  
 BUTWELL, RICHARD L., Associate Professor of Political Science, Summer Session of 1963—resignation effective June 17, 1963.  
 CARLSON, C. I., Professor of General Engineering, Summer Session of 1963—resignation effective June 21, 1963.  
 CROW, MERWIN R., Instructor in Hygiene and Psychiatric Social Worker in the Health Service—declination effective September 1, 1963.  
 DAVIS, NUEL P., Assistant Professor of English, Summer Session of 1963—resignation effective June 17, 1963.  
 DEMAREE, ROBERT G., Associate Professor of Psychology and Director of the Office of Instructional Research—resignation effective September 1, 1963.  
 DICKINSON, MARSHA, Research Assistant in Political Science—resignation effective June 8, 1963.  
 EAGON, JOHN A., Instructor in Mathematics, Summer Session of 1963—declination effective June 17, 1963.  
 ENATA, ELOISE C., Instructor in English, Summer Session of 1963—resignation effective June 17, 1963.  
 FRATICELLI, JOANNE C., Assistant in Occupational Therapy (Medicine)—resignation effective May 23, 1963.  
 HARPER, ANNE Y., Research Assistant in the Bureau of Economic and Business Research—resignation effective June 1, 1963.  
 HILL, ENID, Assistant in Social Sciences (Chicago Undergraduate Division), Summer Session of 1963—resignation effective June 21, 1963.  
 HOUSE, JAMES E., Assistant in the Division of General Studies, Summer Session of 1963—resignation effective June 17, 1963.  
 HUNT, ROGENE S., Visiting Lecturer in History (Chicago Undergraduate Division), Summer Session of 1963—resignation effective June 21, 1963.  
 JOGDEO, SHISHIRKUMAR S., Assistant Professor of Mathematics—resignation effective September 1, 1963.  
 JOHNSON, MARGARET L., Instructor in Medical Social Work (Medicine)—resignation effective June 8, 1963.  
 JONES, BARCLAY G., Fellow in Nuclear Engineering—resignation effective June 16, 1963.  
 KAHNE, STEPHEN J., Research Associate in the Coordinated Science Laboratory and Instructor in Electrical Engineering—resignation effective June 16, 1963.  
 KOENIG, THOMAS W., National Science Foundation Cooperative Fellow in Chemistry—resignation effective May 21, 1963.  
 LANGEARTEL, RAY G., Associate Professor of Mathematics, Summer Session of 1963—declination effective June 17, 1963.

- LARSON, CARL M., Assistant Professor in Marketing, Summer Session of 1963 — resignation effective June 21, 1963.
- LINDERHOLM, CARL E., Instructor in Mathematics, Summer Session of 1963 — declination effective June 17, 1963.
- LOTHIAN, THOMAS A., Assistant in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.
- MACHIN, JOHN H., JR., Assistant Professor of English (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.
- MANDY, WILLIAM J., United States Public Health Service Fellow (Trainee) in Microbiology — resignation effective June 1, 1963.
- MARIS, THEODORE A. J., Professor of Physics — resignation effective June 1, 1963.
- MATLAW, RALPH E., Associate Professor of Russian and Head of the Department — resignation effective September 1, 1963; and Associate Professor of Russian, Summer Session of 1963 — resignation effective June 17, 1963.
- MAYOH, BRIAN H., Continental Oil Company Fellow in Mathematics — resignation effective September 16, 1963.
- MCCABE, NANCIE M., Research Assistant in Chemistry — resignation effective June 15, 1963.
- MCGUIRE, EDWARD, Research Assistant in Biological Chemistry (Medicine) — resignation effective May 15, 1963.
- MENDEL, GISELA, Research Associate in Psychiatry (Medicine) — resignation effective May 1, 1963.
- MUHLSTADT, WILLIAM J., Assistant in Ceramic Engineering — resignation effective May 1, 1963.
- MUNDAY, JOHN C., JR., United States Public Health Service Fellow (Trainee) in Biophysics — resignation effective June 16, 1963.
- ONANIAN, EDWARD D., Research Associate in the Bureau of Economic and Business Research — resignation effective June 22, 1963.
- OTIS, JACK, Associate Professor of Hygiene and Psychiatric Social Work Supervisor in the Health Service — resignation effective September 1, 1963.
- PATTON, FRANKLIN D., Assistant in Geology, Summer Session of 1963 — resignation effective June 17, 1963.
- PINKERTON, MARY, Research Assistant in Chemistry — resignation effective June 9, 1963.
- PORTER, JAMES A., JR., Instructor in Veterinary Pathology and Hygiene — resignation effective June 16, 1963.
- RAKOVE, MILTON L., Assistant Professor of Political Science (Chicago Undergraduate Division), Summer Session of 1963 — resignation effective June 21, 1963.
- ROHRS, LEONARD J., Professor of Air Force Science and Head of the Department — resignation effective March 1, 1963.
- ROSENKRANZ, WILBUR K., Circulation Assistant in the Library — resignation effective June 16, 1963.
- ROTHMAN, NEAL J., Assistant Professor of Mathematics, Summer Session of 1963 — resignation effective June 17, 1963.
- RURIK, ELEANOR, Registered Pharmacist (Pharmacy) — resignation effective June 24, 1963.
- SACKHEIM, GEORGE I., Instructor in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1963 — resignation effective June 21, 1963.
- SCHNOBRICH, WILLIAM C., Assistant Professor of Civil Engineering, Summer Session of 1963 — resignation effective June 17, 1963.
- SHAW, PAUL V., American Oil Foundation Fellow in Chemical Engineering — resignation effective April 1, 1963.
- SPAULDING, ROBERT L., Assistant Professor of Education — resignation effective September 1, 1963.
- SPENCE, CLARK C., Associate Professor of History, Summer Session of 1963 — resignation effective June 17, 1963.
- STEBEN, JOHN D., National Science Foundation Cooperative Fellow in Physics — resignation effective June 1, 1963.
- STONECIPHER, A. KEITH, Instructor in Civil Engineering — resignation effective September 1, 1963.
- STROM, CHARLES R., Teaching Fellow in Aeronautical and Astronautical Engineering — resignation effective June 16, 1963.

- TRUSS, HILMAN L., JR., Registered Pharmacist in Hospital Pharmacy (Pharmacy) — resignation effective May 10, 1963.
- ULLOA, MARGOT, Professor of Operative Dentistry (Dentistry) — resignation effective September 1, 1963.
- VASIL, INDRA K., Research Associate in Botany — resignation effective July 1, 1963.
- VESTLING, CARL S., Professor of Biochemistry — resignation effective September 1, 1963.
- VINCI, ANTHONY J., Assistant Professor of Hygiene and Staff Physician in the Health Center and McKinley Hospital — resignation effective September 1, 1963.
- WEICHSEL, PAUL M., Assistant Professor of Mathematics, Summer Session of 1963 — declination effective June 17, 1963.
- WHITE, JOSEPH, Assistant in Zoology, Summer Session of 1963 — resignation effective June 17, 1963.
- WILSON, ROBERT G., Registered Pharmacist in Hospital Pharmacy, Research and Educational Hospitals (Pharmacy) — resignation effective June 15, 1963.
- WINIARSKI, GENEVIEVE C., United States Public Health Service Fellow (Trainee) in Physiology — termination effective March 16, 1963.
- ZARGHAMEE, MEHDI S., Fellow in Civil Engineering — resignation effective June 16, 1963.

#### LEAVES OF ABSENCE

- CRIEGEE, LUTZ, Research Assistant Professor of Physics — leave of absence, without pay, for one month from July 1, 1963, so that he may travel to Europe.
- HALL, CLEO, Assistant Professor of Cooperative Extension and Assistant State Leader of Home Advisers — leave of absence, without pay, for one year from July 1, 1963, so that she may complete a dissertation and other work toward a Ph.D. degree in Adult Education at the University of Chicago.
- KARLOWICH, ROBERT A., Bibliographer in the Library, with rank of Assistant Professor — leave of absence on three-fourths time, without pay, extended from May 1 through June 11, 1963.
- KHACHATURIAN, NARBEY, Professor of Civil Engineering, in the College of Engineering — leave of absence, without pay, for twelve months from September 1, 1963, for the purpose of study and research at the University of California, at Los Angeles, on a National Science Foundation Senior Postdoctoral Fellowship.
- LATHROPE, DONALD E., Associate Professor of Social Work — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a temporary professional assignment in New York City with a project sponsored by the President's Committee on Youth Crime and Delinquency.
- LEVINE, SOLOMON, Professor of Labor and Industrial Relations — leave of absence, without pay, from September 1, 1962, through July 11, 1963 (supersedes previous leave).
- LEWIS, WALTER H., Associate Professor of Architecture — leave of absence, without pay, for one year from September 1, 1963, for the purpose of accepting a temporary, professional assignment outside the University, working for the United States Savings and Loan League.
- LICHTENBERGER, W. WAYNE, Assistant Professor of Electrical Engineering and Research Assistant Professor in the Coordinated Science Laboratory — leave of absence, without pay, for one year from September 1, 1963, so that he may serve as a Visiting Professor in the Department of Electrical Engineering at the University of California, at Berkeley.
- LOFTUS, BEVERLY G., Assistant Editor in the Graduate College — leave of absence, without pay, from July 5 and continuing through July 26, 1963.
- NIMS, JOHN F., Professor of English — leave of absence, without pay, from March 1 through August 31, 1964, so that he may accept a position as a Visiting Professor at Harvard University during that period.
- POWELL, JAMES M., Assistant Professor of History in the Division of General Studies — leave of absence, without pay, for one year from September 1, 1963, so that he may serve as Visiting Lecturer in Medieval History at the University of Wisconsin, at Milwaukee.

PUNDT, HERMAN G., Instructor in Architecture—leave of absence, without pay, for the second semester of the academic year 1963-64, for the purpose of doing graduate study at Harvard University.

REESE, MARY C., Associate Professor of Social Work—leave of absence, without pay, for one year from September 1, 1963, for the purpose of study at Smith College School for Social Work.

SCHMITT, HOMER C., Professor of Music and Artist in Residence—leave of absence on account of illness, with full pay, from April 19 through August 31, 1963.

SMITH, ROBERT J., Professor of Architecture—disability leave of absence, with full pay, extended to March 14, 1963.

#### EXECUTIVE SESSION

President Clement announced that an executive session has been requested and was being ordered for consideration of reports and recommendations relating to patentable inventions and property acquisitions; and that this session would be held after luncheon recess.

On motion of Mrs. Watkins, the Board recessed.

During the recess, a number of prominent citizens of Peoria were guests of the Board at luncheon and were introduced.

When the Board reconvened in executive session, the same members of the Board and officers of the University were present as reported at the beginning of these minutes.

The Board took up consideration of the following items of business.

#### RECOMMENDATION OF THE UNIVERSITY PATENT COMMITTEE

(1) The University Patent Committee submits, with the concurrence of the Chairman of the University Research Board, the following recommendation relating to an invention by members of the staff.

Over the past five years, ten patentable inventions have been developed in the Antenna Laboratory of the Department of Electrical Engineering. The inventors are Robert L. Carrel, former Research Assistant and Research Associate in Electrical Engineering (1955-60); R. H. DuHamel, former Research Assistant in Electrical Engineering (1947-50, 1952-56); D. E. Isbell, former Antenna Technician in Electrical Engineering (1957-59); John D. Dyson, Associate Professor of Electrical Engineering; and Paul E. Mayes, Associate Professor of Electrical Engineering. The rights of the University in these inventions have been transferred to the University of Illinois Foundation. The Foundation has applied for and obtained patents on certain of the inventions and has negotiated with the JFD Electronics Corporation, Brooklyn, New York, for the marketing of an antenna, which to some degree is based upon or includes certain novel features stated in all the inventions involved. It appears that income on licenses will be received from the JFD Electronics Corporation.

Based on information from the Department of Electrical Engineering concerning the degree of contribution of the inventors to the final product, the Patent Committee recommends that:

All income received on these antenna patents be pooled; and patent and development expenses incurred by the Foundation, past and future, be reimbursed or paid from such pooled sum.

After allowing for all expenses, 20 per cent of the amount thus received be allocated for payment to the inventors and 80 per cent be retained by the University of Illinois Foundation for its chartered purposes.

For the present, the sum allocated to the inventors be distributed: Robert L. Carrel, one-ninth; R. H. DuHamel, one-ninth; John D. Dyson, two-ninths; D. E. Isbell, two-ninths; and Paul E. Mayes, three-ninths.

It should be recognized, when approving the distributions to the inventors, that in all likelihood there will be additional inventions in the future further contributing to the improvement of the antenna being developed and marketed and that, accordingly, changes in or additions to the percentage distribution to the inventors may be necessary.

The Patent Committee therefore recommends approval by the Board of

Trustees of the stated percentage of allocation between the inventors and the University of Illinois Foundation and the percentage distribution of the sum allocated to the inventors, with the right of future revision as may be required to maintain the equities of the inventors involved.

I concur in this recommendation.

On motion of Mr. Swain, this recommendation was approved.

#### PURCHASE OF PROPERTIES

(2) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase, at the prices indicated, of the following properties needed to complete acquisition of a site for a graduate students residence hall:

- |  |          |
|--|----------|
| 409 East Daniel Street, Champaign.....   | \$38 000 |
| A three-story and basement frame rooming house on a lot 57 feet by 173.25 feet. The owner will give immediate possession to the land required for construction south of the existing improvement and will give possession of the remaining part not later than July 1, 1965.                   |          |
| 402 East Chalmers Street, Champaign.....   | 35 000   |
| A three-story and basement frame house on a corner lot 51.5 feet on Chalmers Street, by 116.24 feet. Possession will be delivered to the University no sooner than February 1, 1964, nor later than September 1, 1964, dependent on the scheduled start of construction of the residence hall. |          |

Funds are available in the state capital appropriations to the University from the 1961-63 Bond Issue and have been released.

The prices are consistent with the recommendations for the acquisition of these properties which have previously been submitted to and concurred in by the Committee on Buildings and Grounds.

The Board of Trustees, on February 20, 1963, authorized condemnation proceedings for acquisition of the property at 402 East Chalmers Street, Champaign, because the asking price was in excess of University appraisals. Through subsequent negotiations, the price indicated has been agreed upon, and it is within the limit authorized by the Committee on Buildings and Grounds. This price also appears to be the lowest at which the property can be acquired without condemnation proceedings.

I recommend authorization of these purchases; and further recommend that the Board rescind its resolution of February 20, 1963, with respect to condemnation proceedings for acquisition of the property at 402 East Chalmers Street, Champaign.

On motion of Mr. Pogue, the purchases of these properties, at the prices recommended, were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### ACQUISITION OF PROPERTY AT 1304 WEST STOUGHTON STREET, URBANA, ILLINOIS

(3) University representatives have been negotiating for the purchase of the property at 1304 West Stoughton Street, Urbana, a lot 40 feet by 132 feet (5,280 square feet) with a two and one-half story and basement frame building now used for apartments and for student rooms. The land is needed as part of the site for College of Engineering buildings, and specifically for the new Civil Engineering Building.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$23,140, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:



**Resolution Authorizing Condemnation of Property  
at 1304 West Stoughton Street, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

The East Twenty-two (22) Feet of Lot Nine (9) in Block Fifty-one (51) of the Seminary Addition to Urbana, and the West Eighteen (18) Feet of Lot Ten (10) in Block Fifty-one (51) in the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign, in the State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for expansion of the facilities of the College of Engineering, as a site for a Civil Engineering Building addition, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston,

Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**ACQUISITION OF PROPERTY AT 1103 WEST SPRINGFIELD AVENUE,  
URBANA, ILLINOIS**

(4) University representatives have been negotiating for the purchase of the property at 1103 West Springfield Avenue, Urbana, a lot 49.5 feet by 132 feet (6,534 square feet) with a two-story and basement stucco house used as a residence by the owner and student rooms. The land is needed as part of the site for construction of the next unit of the Coordinated Sciences Laboratory.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$28,800, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property  
at 1103 West Springfield Avenue, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

The East One-half ( $\frac{1}{2}$ ) of Lot Five (5) and the West One-quarter ( $\frac{1}{4}$ ) of Lot Six (6) in Block Five (5) in the Urbana Railroad Company's Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for construction of the next unit of the Coordinated Science Laboratory, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right

of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### **ACQUISITION OF PROPERTY AT 1103½ WEST SPRINGFIELD AVENUE, URBANA, ILLINOIS**

(5) University representatives have been negotiating for the purchase of the property at 1103½ West Springfield Avenue, Urbana, a lot 30 feet by 132 feet (3,960 square feet) improved with a two-story and basement frame dwelling. The land is needed as part of the site for construction of the next unit of the Coordinated Sciences Laboratory.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$17,500, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

#### **Resolution Authorizing Condemnation of Property at 1103½ West Springfield Avenue, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

The East Thirty (30) Feet of the West One-half (½) of Lot Five (5) in Block Five (5) in the Urbana Railroad Company's Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for construction of the next unit of the Coordinated Science Laboratory, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use, that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which

this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none, absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### ACQUISITION OF PROPERTY AT 1206 WEST OREGON STREET, URBANA, ILLINOIS

(6) University representatives have been negotiating for the purchase of the property at 1206 West Oregon Street, Urbana, a lot 57 feet by 157 feet (8,949 square feet) with a three-story and basement frame dwelling now used as an apartment and student rooms. The land is needed as part of the site for the new East Chemistry Building Addition.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$36,000, based on University appraisals, but the offer is not acceptable and the asking price of \$40,000 is in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property  
at 1206 West Oregon Street, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

All of Lot Eight (8) except the West Fifty (50) Feet of said Lot Eight (8) and all of Lot Nine (9) except the East Thirty-eight (38) Feet of said Lot Nine (9) in Block Two (2) of Nina B. Bronson's Subdivision of the East One-half ( $\frac{1}{2}$ ) of the Southwest Quarter ( $\frac{1}{4}$ ) of the Northeast Quarter ( $\frac{1}{4}$ ) of Section Eighteen (18), Township 19 North, Range 9 East, of the 3rd Principal Meridian, situated in the City of Urbana, in the County of Champaign, and State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for the new East Chemistry Building Addition, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**ACQUISITION OF PROPERTY AT 1303 WEST STOUGHTON STREET,  
URBANA, ILLINOIS**

(7) University representatives have been negotiating for the purchase of the property at 1303 West Stoughton Street, Urbana, a lot 66 feet by 100 feet (6,600 square feet) improved with a one-story, two-apartment-unit frame dwelling. The land is needed as part of the site for the proposed Mathematics Building.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$16,000, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property  
at 1303 West Stoughton Street, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot Two (2) in Block Fifty-four (54) of the Seminary Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois;

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for the proposed Mathematics Building, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois

to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**PURCHASE OF PROPERTY AT 307 EAST DANIEL STREET,  
CHAMPAIGN, ILLINOIS, AND APPROPRIATION FOR REMODELING**

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 307 East Daniel Street, Champaign, at a price of \$38,000, for the replacement of a women's cooperative house located at 1210 West Springfield Avenue, Urbana, Illinois, which is needed for office space. The property consists of a lot 64 feet wide by 146 feet deep and is improved with a two and one-half story and basement frame dwelling used as an apartment and student rooming house.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

The price is within \$200 of the appraised value of the house but represents a decrease of approximately \$4,000 in the price previously asked by the owner.

It is further recommended that \$12,000 be assigned from general indirect costs for the remodeling of 307 East Daniel Street, Champaign, Illinois.

I concur.

On motion of Mr. Pogue, the purchase of this property, at the price recommended, and the requested assignment of funds were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

On motion of Mrs. Watkins, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**July 2, 1963**



The July meeting of the Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, on Tuesday, July 2, 1963, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner was absent. Mr. Ray Page was not present when the meeting convened, but joined the Board later.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Director C. S. Havens of the Physical Plant, Mr. James J. Costello, Legal Counsel, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. V. L. Kretschmer, Director of Auxiliary Services, Mr. Morris S. Kessler, Assistant Comptroller, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, Mr. A. J. Janata, Secretary.



**MINUTES APPROVED**

The Secretary presented the minutes of the meetings of the Board of Trustees on December 19, 1962, and January 17, 1963, press proof copies of which have previously been sent to the Board.

On motion of Mr. Johnston, these minutes were approved as printed on pages 263 to 358, inclusive.

**ASSIGNMENTS OF FUNDS FROM STATE APPROPRIATIONS  
FOR 1963-65**

President Clement announced that the Chair would entertain a motion to the effect that: all assignments of funds and contract awards made today, which are to be payable from appropriation bills passed by the Seventy-third General Assembly of Illinois but not yet signed by the Governor, are subject to such bills becoming law and, where required, subject to release of the funds by the Governor.

On motion of Mr. Swain, the foregoing action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Governor Kerner, Mr. Page.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**

The Board took up consideration of the following reports and recommendations from the President of the University.

**ANNUAL OPERATING BUDGET FOR 1963-64**

(1) The complete, itemized, operating budget for 1963-64 covering all divisions of University work, with a condensed analysis and summaries, is submitted for official action.

The budget is for the fiscal year beginning July 1, 1963, for academic and administrative appointments beginning September 1, 1963, and for nonacademic personnel appointments beginning July 1, 1963. The budget has been prepared by the Executive Vice-President and Provost and the Vice-President and Comptroller in accordance with procedures approved by the President. It is based upon recommendations of the deans, directors, and other administrative officers, and has been reviewed by the President and the University Council.

I recommend that this budget, covering the allocation of the estimated operating income from all sources for the year beginning July 1, 1963, be approved, subject to final approval of the University's biennial state appropriations for 1963-65; and that the President of the University be authorized, in accordance with the needs of the University and the equitable interests involved and within total income: (a) to accept resignations, (b) to make such additional appointments as are necessary subject to the provisions of the University Statutes and the Policy and Rules Relating to Compensation and Working Conditions of Nonacademic Employees, and (c) to make such changes and adjustments in items included in the budget as are needed, all such changes to be covered in the Vice-President and Comptroller's quarterly financial reports, or in reports to the Board by its Secretary, provided that assignments for new projects or programs and for nonrecurring capital expenditures in excess of \$2,500 shall be presented to the Board for approval.

The President of the University, the Executive Vice-President and Provost, and the Vice-President and Comptroller presented the budget, discussing the significant policy recommendations as set forth in the condensed analysis and summaries. A copy of the latter document was filed with the Secretary of the Board for record.

Mr. Williamson as Chairman of the Finance Committee reported that the Committee had met with the President of the University and other University officials in a special work session on Monday evening.

July 1, and reviewed the budget in detail. All three members of the Committee (Mr. Williamson, Mr. Swain, and Mrs. Watkins) were present at this meeting; other members of the Board participating in this work session were Mr. Clement, Mr. Hughes, Mr. Johnston, and Mr. Pogue. Others attending the Committee meetings were the officers of the Board: Mr. Manchester, Mr. Farber, and Mr. Janata; and officers of the University, as recorded at the beginning of these minutes.

Following presentation of the budget and discussion by members of the Board, on motion of Mr. Swain, the budget was approved, authority was given as requested in the President's recommendations, and the appropriations required in the budget were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

A complete budget is included as a supplement to these minutes.

#### BUDGET OF THE ATHLETIC ASSOCIATION FOR 1963-64

(2) The Director of Intercollegiate Athletics submits, on behalf of the Board of Directors of the Athletic Association, the budget for the Association for 1963-64 which is summarized as follows with comparative figures for the preceding year:

	1962-63	1963-64
Income.....	\$1 114 175	\$1 165 535
Appropriations.....	1 108 280	1 159 730
Excess of Income Over Appropriations.....	5 895	5 805

The budget has been examined and approved by the Executive Vice-President and Provost and the Vice-President and Comptroller.

I recommend that this budget be approved and that the President of the University be authorized to make such changes and adjustments, including approval of new appointments and acceptances of resignations, as are necessary and recommended by the Board of Directors of the Athletic Association within the total income realized.

On motion of Mr. Pogue, this budget was approved.

Mr. Dilliard asked that the record show that this action also covers appointments and reappointments of the head coaches and other staff of the Athletic Association which are subject to final approval by the Board of Trustees.

At this point, Mr. Page joined the meeting.

#### AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(3) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

Name	Address	State from Which They Obtained Certificates
ROY GORDON DUFF	Dubuque, Iowa	Iowa
VINCENT RAYMOND MICHAEL	Eyansville, Indiana	Missouri
KYRRE HURUM OLSEN	Shorewood, Wisconsin	Wisconsin
EMIL MEREDITH PHILLIPS, JR.	Wood Dale, Illinois	Arkansas

I concur.

On motion of Mr. Johnston, these certificates were awarded.

**ADVISORY COMMITTEES FOR COLLEGE OF AGRICULTURE**

(4) The Dean of the College of Agriculture recommends the following appointments and reappointments to advisory committees for the College of Agriculture and the Agricultural Experiment Station effective September 1, 1963, for three-year terms:

*Agricultural Economics*

EDWIN R. LAMB, Superintendent of Cattle Department, Producers Livestock Marketing Association, National Stock Yards, East St. Louis  
 RICHARD L. MALONEY, Ridgway

*Agricultural Engineering*

GEORGE W. ENDICOTT, Ridgeview Farm, Villa Ridge  
 JOSEPH H. HEIMANN, Manager, Clinton County Electric Cooperative, Inc., 475 North Main Street, Breese

*Agronomy*

PAUL MONTAVON, 905 West Taylor, DeKalb  
 LOWELL TISON, Rural Route 3, Eldorado

*Animal Science*

ERNEST E. BROWN, General Manager, Corn Belt Hatcheries of Illinois, Inc., Gibson City

*Dairy Science*

JOHN C. ALISON, Alison Farms, Rural Route 2, Quincy  
 HAROLD E. HARTLEY, Rural Route 5, Centralia  
 J. GEORGE SMITH, Oswego

*Horticulture (Food Crops)*

MATHEW SCHWARTZ, Centralia  
 JOHN SURGEON, Nujent and Schapanski Orchard and Cold Storage, 111 North Canal Street, Grafton

*Horticulture (Floriculture, Ornamentals)*

JAMES BRANDT, 1419 Grant Avenue, Danville  
 CARL KLEHM, Chas. Klehm and Sons Nursery, 6 East Algonquin Road, Arlington Heights  
 CHARLES TOSOVSKY, Home Nursery Greenhouses, Inc., Edwardsville

The Dean of the College of Agriculture further recommends the following reappointments to the general committee for one more year as members at large: JOSEPH ACKERMAN, Managing Director, Farm Foundation, 600 South Michigan Avenue, Chicago 5  
 PAUL C. JOHNSON, Editor, Prairie Farmer, 1230 West Washington Boulevard, Chicago 7

I concur.

On motion of Mr. Hughes, these appointments were approved.

**APPOINTMENTS TO THE FACULTY**

(5) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. GARY S. ADELMAN, Assistant Professor of English, beginning September 1, 1963, at an annual salary of \$7,500.
2. MARVIN C. CARBONNEAU, Assistant Professor of Horticulture, beginning July 1, 1963, at an annual salary of \$8,600.
3. MAYNARD M. COHEN, Professor of Neurology, Department of Neurology and Neurological Surgery, beginning September 1, 1963, without salary.
4. RUDOLPH KODRAS, Assistant Professor of Veterinary Pathology and Hygiene, College of Veterinary Medicine, and of Veterinary Research, Agricultural Experiment Station, beginning June 17, 1963, at an annual salary of \$10,500.
5. GEORGE W. MEYERHOLZ, Assistant Professor of Veterinary Extension, Veterinary Pathology and Hygiene, in the College of Veterinary Medicine and in

- the Cooperative Extension Service in Agriculture and Home Economics, beginning June 16, 1963, at an annual salary of \$11,600.
6. CHARLES W. MIGNON, JR., Assistant Professor of English, beginning September 1, 1963, at an annual salary of \$7,000.
  7. HARRY L. MUNSINGER, Assistant Professor of Psychology, beginning September 1, 1963, at an annual salary of \$7,500.
  8. D. V. REDDY, Assistant Professor of Civil Engineering, for the academic year 1963-1964, at a salary of \$7,500.
  9. GILBERT WRIGHT, Assistant Professor of English, beginning September 1, 1963, at an annual salary of \$7,300.

On motion of Mr. Swain, these appointments were confirmed.

#### THE ESTABLISHMENT OF A NEW ADMINISTRATIVE POSITION AT THE CHICAGO UNDERGRADUATE DIVISION

(6) The Vice-President for the Chicago Undergraduate Division recommends that a new position with the title of Assistant Vice-President be established and that Associate Dean H. W. Bailey of the faculty of Liberal Arts and Sciences be appointed to this position for two years beginning September 1, 1963, at an annual salary of \$18,300.

The Assistant Vice-President would perform such functions as might be assigned to him by the Vice-President for the Chicago Undergraduate Division. Among other duties, he would be responsible for studies of space utilization, enrollment projections, and staff needs. He would also supervise the preparation of official publications of the Division, including college bulletins and other announcements.

This recommendation has been reviewed and approved by the Executive Vice-President and Provost.

I concur.

On motion of Mrs. Watkins, this recommendation was approved.

#### SCHOOL OF ASSOCIATED MEDICAL SCIENCES

(7) The University Senate at the Medical Center recommends that (1) there be established within the College of Medicine a School of Associated Medical Sciences with a Director who will also serve as either Assistant Dean or Associate Dean of the College of Medicine; (2) the two new curricula in Medical Record Administration and General Medical Technology, previously recommended by the Senate and approved by the Board of Trustees on January 17, 1963, and such other curricula of this class as may hereafter be established, be administered by the School of Associated Medical Sciences; and that (3) the existing curriculum in Occupational Therapy be changed from its present departmental status in the College of Medicine to a curriculum in the School of Associated Medical Sciences.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mrs. Watkins, this recommendation was approved.

#### CONTRACT WITH DEPARTMENT OF STATE. AGENCY FOR INTERNATIONAL DEVELOPMENT. FOR SERVICES TO SIERRA LEONE

(8) In the summer of 1962, a team from the government of Sierra Leone and the United States Agency for International Development Mission in that country visited the University of Illinois and conferred with University officials concerning the need for a land-grant type of institution in Sierra Leone. Subsequently, at the request of the AID, the University of Illinois sent a survey team<sup>1</sup> under the direction of Associate Dean Karl E. Gardner of the College of Agriculture to Sierra Leone to study the feasibility of a proposed union of two existing

<sup>1</sup> Karl E. Gardner, Associate Dean of College of Agriculture, and Professor of Nutrition, in the Department of Dairy Science, Chief of Party; Russell T. Odell, Professor of Soil Pedology in the Department of Agronomy; M. Ray Karnes, Professor of Education in the Bureau of Educational Research; James E. Crawford, Supervisor of Counseling and Operations in the Men's Residence Halls.

institutions, the Njala Training College for Teachers and the Njala Agricultural Experiment Station, as a nucleus for the new institution and to make recommendations.

The Sierra Leone Cabinet approved the report of this survey team and the University has now been asked to submit a proposal for a contract for educational services to that country in the building of the new institution somewhat along the lines of what the University has been doing in India.

The project is a long-term one and plans have been drawn in terms of a ten-year program. Submitted herewith is a memorandum prepared by the Director of International Programs which presents the program in greater detail. A copy of the memorandum is being filed with the Secretary of the Board for record. As indicated therein, it is anticipated that the University will be offered a contract in the near future and AID officials have asked that it be executed promptly.

I request authorization to execute this contract, subject to further action by the Board of Higher Education, since contract payments to the University in any one year may exceed \$250,000, the limit set by the Board of Higher Education for institutional commitments of this kind without reference to that Board.

On motion of Mr. Dilliard, authority was given as requested.

#### **AMENDMENT OF GENERAL RULES CONCERNING UNIVERSITY ORGANIZATION AND PROCEDURE**

(9) The Dean of the College of Physical Education has recommended authorization of a recreational program for faculty and staff of the University and their families, the program to be financed initially by a fee charged participants to pay the direct costs of the program. It involves the use of University facilities by faculty and staff families, and present regulations limit the use of recreational facilities to students and staff.

Accordingly, it is recommended that Section 21 of the "General Rules Concerning University Organization and Procedure" be amended by renumbering the present Section 21 (c) as Section 21 (d), and by adding the following as a new Section 21 (c):

"(c) Subject to the approval of the appropriate University authorities, University premises and facilities may be made available for use by members of the faculty and staff and their families provided such use does not interfere with the regular student educational programs of the University."

I concur.

On motion of Mrs. Watkins, this amendment was approved.

#### **AMENDMENT OF RULES RELATING TO THE PAYMENT OF SALARIES**

(10) The application of the ruling of the Attorney General relating to retroactive salary adjustments has been clarified. Originally, the University interpreted the ruling to mean that in most cases adjustments in salaries and wages could be effective only in the month in which they could be included on the usual payroll. Consequently, the Board adopted a rule that salary adjustments could be effective only in the month following the month in which notice of approval was received by the Business Office.

It has now been determined that such adjustments can be made effective upon the date when notice of change is received even though the adjustment is made in the subsequent payroll period.

Accordingly the Director of Nonacademic Personnel and the Vice-President and Comptroller recommend the Board approve the following rules relating to the effective date of salary changes:

##### **NONACADEMIC**

##### **1. Effective Date of Prevailing Rate Changes**

Wage rates accepted in accordance with University policy of paying prevailing rates, as set forth in Section III, paragraph 1, of the University Policy and Rules Relating to Compensation and Working Conditions of Nonacademic Employees, will become effective (1) on the date they are put into effect locally, or (2) on the first working day following the date appropriate University representatives receive (and verify), from one or more of the parties to

the agreement establishing a change in rates, official notice in writing that a specific rate is effective locally, whichever is later. (The section of the University Policy and Rules as noted above must be corrected.)

## 2. *Negotiated Agreements*

Wage rates established by negotiated agreements may become effective (1) on the first working day following the expiration of a collective agreement being renegotiated, provided the parties have reached agreement upon, and signed a new agreement prior thereto, or (2) on the first working day following the date on which all parties involved have indicated their willingness in writing to accept all conditions, including the rates or rate schedules, which become a part of the agreement, whichever is later, subject to approval of the Merit Board.

## 3. *Departmental Recommendations for Nonacademic Salary or Wage Amounts Determined by Other Than Prevailing Rate or Negotiated Group Agreements*

Such salary or wage amounts may become effective not earlier than the first day of the payroll period next following the date on which they are approved by the Office of Nonacademic Personnel; except that in those cases where a specific date on which a change in duties and responsibilities or working conditions can be clearly determined to have occurred, such salary or wage amounts may become effective as early as the first working day following the date on which they are approved by the Office of Nonacademic Personnel.

## ACADEMIC

Such salary amounts may become effective not earlier than the first day of the payroll period next following the date on which they are approved; except that in those cases where a specific date on which a change in duties and responsibilities can be clearly determined to have occurred, such salary amounts may become effective as early as the first day of business following the date on which they are approved.

I concur.

On motion of Mr. Swain, this amendment of rules was authorized.

## APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(11) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations and assignments of funds from the University General Reserve for 1962-63 to the extent funds are available; otherwise, from General Reserve for 1963-64:

### *Urbana-Champaign*

#### 1. Physical Plant Department

Air conditioning building at 1210 West Springfield Avenue, Urbana... \$ 4 000

(This building is a two-story, basement and attic frame residence formerly used as a cooperative house for women students, and is next to the University High School. It is being converted into office and research space for the High School.)

Air conditioning building at 51 East Armory Avenue, Champaign, for the College of Education..... 3 000

(This building is a two-story and basement frame house, converted into an apartment house of four units. It is one of the properties acquired in the area to provide land for the future addition to the University Press Building.)

Remodeling Room 275 and construction of a corridor in Davenport Hall for the Department of Agronomy..... 10 770

Air conditioning offices in Huff Gymnasium for the College of Physical Education..... 7 980

2. Allerton House, maintenance projects and water tank replacement..... 38 500

*Total, Urbana-Champaign* ..... \$64 250

### *Chicago Undergraduate Division*

1. Remodeling and equipment..... \$18 513

*Grand Total* ..... \$82 763

I concur.

On motion of Mr. Hughes, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

# CONTRACTS FOR ADDITION TO DRUG AND HORTICULTURAL EXPERIMENT STATION

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for an addition to the Drug and Horticultural Experiment Station at Lisle, Illinois, the award in each case being to the lowest bidder:

General—A. M. Zari and Company, Inc., Oak Park.....	\$ 94 456
Base bid .....	\$86 264
Additive alternates	
Service charge for supervision of other contracts assigned to this contractor.....	750
Distilled water system.....	150
Climate control for two compartments.....	100
Installation of elevator.....	7 092
Emergency generator .....	100
Ventilating—Hedmark Heating Company, Inc., Glen Ellyn.....	32 514
Base bid .....	\$29 090
Additive alternate for climate control for two compartments	3 424
Heating, Refrigeration, and Temperature Control—Hedmark Heating Company, Inc., Glen Ellyn.....	110 559
Base bid .....	\$88 495
Additive alternates	
Distilled water system.....	13 895
Climate control for two compartments.....	7 368
Emergency generator .....	801
Plumbing—Bruno Francis Plumbing and Heating Company, Chicago..	13 360
Electrical—Wadeford Electric Company, Chicago.....	26 173
Base bid .....	\$19 880
Additive alternates	
Distilled water system.....	116
Climate control for two compartments.....	473
Installation of elevator.....	182
Emergency generator .....	5 522
Total .....	<u>\$277 062</u>

The contracts are for construction of a greenhouse with adjoining headhouse and full basement. The greenhouse is designed for experimental work where temperatures and humidities can be controlled. The headhouse and basement will contain a workshop and a laboratory with provisions for the installation of plant growing rooms. The facilities are for the Department of Pharmacognosy and Pharmacology in the College of Pharmacy.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$277,062; and that an agreement be entered into with A. M. Zari and Company, Inc. for the assignment of these other contracts for \$750 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released and from a matching National Institutes of Health Grant (RC-1063).

A schedule of all bids received is submitted herewith, and a copy is being filed with the Secretary of the Board.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONTRACT FOR LABORATORY EQUIPMENT FOR RESEARCH  
AND EDUCATIONAL HOSPITALS**

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$8,138 to the Laboratory Furniture Company, Inc., Chicago, Illinois, the lowest bidder, for furnishing and installation of laboratory equipment in two rooms in the Research and Educational Hospitals Addition to provide research laboratories and space for diagnostic catheterization for the Department of Medicine.

Funds are available in a United States Public Health Service Grant, PHS-07572-01.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONTRACT FOR LANDSCAPING THE PHYSICS BUILDING AREA**

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$7,050.78, to the Twin City Landscape Service, Inc., Urbana, the lowest bidder, for landscaping the area of the Physics Building, except for the area adjacent to the Boneyard Creek.

Funds are available in the construction budget for this building.

I concur.

On motion of Mr. Hughes, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**AGREEMENTS WITH ILLINOIS BELL TELEPHONE COMPANY AND  
NORTHERN ILLINOIS WATER CORPORATION FOR REROUTING  
UTILITIES ON THE SITE OF THE PROPOSED CIVIL  
ENGINEERING BUILDING**

(15) Construction of a new Civil Engineering Building will require the relocation of the Illinois Bell Telephone Company's main inter-city conduit, cables, and associated equipment located on the site of the building. In consideration of the proposed long-range development plans for the area north of Springfield Avenue, the Illinois Bell Telephone Company proposes to reroute its facilities completely out of the area to eliminate future interference with the long-range expansion. The University's share of the cost to reroute the Illinois Bell Telephone Company's conduit, cables, and equipment will be \$27,030.

Construction of the building will also require the relocation of the Northern Illinois Water Corporation's sixteen-inch main, which is the University's main source of water supply, from the east side of Romine Street to the west side of Romine Street. The main also reinforces the Company's system along Springfield Avenue, and should be relocated during the month of August when the University's demand for water is at a minimum. The estimated cost of relocation is \$7,623, but the University will be expected to pay the actual cost of the work.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize the Secretary of the Board and the Vice-President and Comptroller to execute the following, upon terms and conditions and in a form approved by the Legal Counsel:

An agreement with the Illinois Bell Telephone Company for the rerouting of conduit, cables, and directly associated equipment from the Civil Engineering Building site at a cost of \$27,030.

An agreement with the Northern Illinois Water Corporation for the relocation of its sixteen-inch main from the Civil Engineering Building site at the actual cost to the Corporation, estimated to be \$7,623.

Funds are available to finance the projects through the University Stores and Services Fund which will be reimbursed by the State Building Authority when bonds are sold.

I concur.



On motion of Mr. Swain, these agreements were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; present but not voting, Mr. Hughes; absent, Mr. Kerner.

#### EASEMENT TO NORTHERN ILLINOIS WATER CORPORATION

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend that an easement be granted the Northern Illinois Water Corporation in order to relocate the Northern Illinois Water Corporation's sixteen-inch main, which is the University's main source of water supply, from the east side of Romine Street to the west side of Romine Street. It is necessary to relocate this water main to provide a site for the proposed Civil Engineering Building.

I concur and recommend adoption of the following resolution; and that the Comptroller and Secretary of the Board be authorized to execute the necessary documents subject to approval of the same by the Legal Counsel.

#### Resolution

*Be It, and It Hereby Is Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of conveyance, contract, or other document or documents as to them may seem necessary or desirable in order to grant to Northern Illinois Water Corporation, an Illinois corporation, hereinafter referred to as "Grantee," its successors and assigns, the right and easement to construct, reconstruct, operate, maintain, repair, alter, replace, move and remove a sixteen-inch (16") water line and other equipment appurtenant thereto, under, through and across the land hereinafter described and the right of ingress to and egress therefrom. Grantee shall agree to repair any damage to property of this Corporation by the construction, reconstruction, operation, maintenance, repairing, alteration, moving and removing of said water line which is caused by its negligence. The right-of-way easement shall remain in full force and effect from the date granted and for so long thereafter as said water transportation line is continued in service and has not been abandoned and discontinued. Upon termination of the easement Grantee shall peaceably surrender possession of said premises to this Corporation and full and complete title then shall remain in this Corporation free and clear of said easement. The right-of-way easement shall be over the following described property:

Situated in the State of Illinois, the County of Champaign, the City of Urbana in the SW  $\frac{1}{4}$  SE  $\frac{1}{4}$  of Section 7 T19N R9E of the 3rd P.M. and being a strip of land 10.0 feet wide whose center line is described as follows:

Beginning at a point 108.0 feet west of the centerline of Romine Street and 19.1 feet north of the centerline of Main Street, both in the said City of Urbana, thence southerly along a line parallel to the centerline of said Romine Street, a distance of 402.6 feet to a corner, said corner being 39.0 feet distant south of the centerline of Stoughton Street in said City of Urbana; thence easterly along a line parallel to the centerline of said Stoughton Street, a distance of 75.0 feet to a point on the west property line of said Romine Street.

On motion of Mr. Hughes, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### EASEMENT FOR PIPELINE ON CARTER-PENNEL FARM

(17) The Dean of the College of Agriculture and the Vice-President and Comptroller recommend that an easement be granted on the Carter-Pennell Farm in Vermilion County to the Allied Gas Company in order to provide a pipeline to serve the Village of Rankin. The Company will pay \$2.00 a rod for the easement and \$2.00 a rod for crop damages, for a total of approximately \$960.00.

I concur and submit a formal resolution for adoption by the Board.

### Resolution

*Be It, and It Is Hereby, Resolved*, by this Board of Trustees of The Board of Trustees of the University of Illinois that the Comptroller and Secretary of this public corporation be, and they hereby are, authorized, for and in behalf of this public corporation, to make, execute, sign, acknowledge and deliver, to Allied Gas Company, an Illinois corporation, its successors and assigns, a Grant of Easement and Right of Way for the purpose of laying, maintaining, operating, renewing, replacing and removing a single line gas main and any necessary gas facilities appurtenant thereto, together with the right of access thereto for said purposes, in, upon, under, along and across the following described property:

That part of the North half of the Northwest Quarter of Section 12, Township 23 North, Range 14 West of the Second Principal Meridian, lying between the center line of State Route No. 49 and a line drawn 50 feet East of and parallel with said highway center line, in Butler Township, Vermilion County, Illinois.

### ALSO

That part of the North half of the Northwest Quarter of Section 12, Township 23 North, Range 14 West of the Second Principal Meridian, lying between the center line of an existing public highway (which extends East and West along the North line of said Section 12) and a line drawn 50 feet South of and parallel with said highway center line, in Butler Township, Vermilion County, Illinois;

to have and to hold in perpetuity or for so long as said Grant of Easement and Right of Way is used for said purposes, but said Grant to cease and determine and all rights granted thereunder to revert to said public corporation Grantor if Grantee or its successors or assigns should ever cease to use said rights for the purposes herein set forth; Grantee to place said gas main at an approximate depth of 30" below the surface of the grant, to repair or replace, in a workmanlike manner and at no expense to Grantor or any tenant of Grantor, all fences which may be damaged, all tile which may be cut, and any existing roadway crossings which may be interrupted by, the installation, maintenance, operation, replacement or removal of said gas main, to install suitable markers over the gas main at existing fence line crossings, and to pay reasonable compensation for all damages caused to crops and real and/or personal property upon the said premises by the installation, maintenance, operation, removal, replacement or removal of said gas main; in consideration of One Dollar and other good and valuable consideration to be paid to said public corporation prior to delivery of said Grant of Easement and Right of Way; and, on behalf of said public corporation, to make, execute, sign, acknowledge and deliver any and all other documents and papers which may be necessary to accomplish the purposes herein set forth.

On motion of Mr. Johnston, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

### CONTRACT FOR CONSULTING ARCHITECTURAL SERVICES

(18) The present contract with Richardson, Seaverns, Scheeler, and Associates, Champaign, for consulting architectural services expires August 1, 1963. The Director of the Physical Plant and the Vice-President and Comptroller recommend continuation of the employment of this firm on a cost-plus basis for one year from August 1, 1963, on the following assignments and as directed by the Physical Plant Department:

#### *Urbana-Champaign*

Continuation of studies on the general campus development plan.

Studies of peripheral areas to coordinate campus development with studies developed by other agencies.

Site selection studies for new building projects.

Consultation on architectural design for new building projects.

Participation in weekly planning meetings.

*Estimated Cost of Services* ..... \$30 000

**Medical Center**

Continuation of studies on the campus development plan.

Further development of detailed programs and studies for various colleges and departments.

Continuation of studies on projects financed from other than state funds.

*Estimated Cost of Services*..... \$10 000

*Estimated Total Cost*..... \$40 000

The terms of employment will be on the basis of itemized payrolls, plus 110 per cent for the firm's overhead costs and fees. Funds are available in the state capital appropriations for 1961-63 and will be reappropriated for the biennium 1963-65 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Swain, this contract was authorized.

**LICENSE AGREEMENT WITH ILLINOIS CENTRAL  
RAILROAD COMPANY**

(19) With construction of the Student Rehabilitation Center Building and relocation of the existing coal storage pile, the Illinois Central Railroad Company has requested permission to construct and use a driveway off Stadium Drive for access to the railroad right-of-way across University-owned land.

The Company plans to construct a twenty-foot wide concrete driveway and entrance and will regrade and replace the eight-foot sidewalk on each side of the proposed driveway. It will be available for use by the University for access to and egress from the Student Rehabilitation Center Building and other areas when construction is completed.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board authorize the Secretary of the Board and the Vice-President and Comptroller to execute a license agreement with the Illinois Central Railroad Company for the purpose indicated and in a form approved by the Legal Counsel.

I concur.

On motion of Mr. Pogue, execution of said license agreement was authorized; Mr. Johnston asked to be recorded as not voting.

**PAPERBACK BOOKSTORE IN ILLINI UNION**

(20) The availability of paperback books of quality, presenting a wide range of subjects, and the demand for them has increased to the point that an adequate stock of these books is now an essential part of the intellectual and cultural resources of a modern campus.

In November, 1962, a committee was appointed, with Robert B. Downs, Dean of Library Administration, Chairman, to determine whether student needs were being adequately serviced and to consider the establishment of a University-operated paperback bookstore or book center. The conclusions of the committee were as follows:

1. The University of Illinois is far behind other comparable universities in providing bookstore facilities for its students, faculty, and staff.
2. Although one of the local commercial bookstores in the University business district is expanding its operations to include a large stock of paperback books, and another store has a fair selection of paperbacks, neither the present nor the proposed commercial operations will be adequate to serve the University's needs.
3. In addition to the opportunity to purchase books, there should also be the opportunity for leisurely browsing and reading, and the selection of stock should include many titles which are not normally found in a commercial bookstore.
4. There is at present no satisfactory local outlet for University of Illinois Press books, and these should be stocked in a paperback bookstore.
5. There should be established in the Illini Union a book center limited to high-quality paperback editions of American and foreign works with an initial stock of 7,000 to 8,000 titles.

Following the report of the Committee, an analysis of the use of space in the Illini Union was made and it is concluded that the area now occupied by the Pine Lounge, the Browsing Room, and the Wedgwood Lounge in the west wing

of the first floor of the original building would be a suitable location for a paperback book center. It is believed that the area will lend itself to the establishment of an attractive integrated reading center in an educational and cultural atmosphere which can provide the required paperback facilities and concurrently provide a needed expansion of the Browsing Room. The center can be established with minimum alterations. The total capital cost including display equipment, furniture, and building alterations, is estimated at \$42,000.

It is therefore recommended that a paperback book center be established in the Illini Union, to be operated as a department of the Illini Union, with the University Library advising in the selection of appropriate book titles to be stocked and the capital cost to be financed through the Illini Union reserve funds.

On motion of Mr. Swain, this recommendation was approved.

#### HOSPITAL-MEDICAL-SURGICAL INSURANCE POLICIES FOR STUDENTS AND STAFF

(21) Bids have been received on the hospital-medical-surgical insurance programs for staff and students for the period beginning September 1, 1963, with the right reserved to renew such insurance annually thereafter upon mutual agreement between the insurance carrier and the University.

The Vice-President and Comptroller recommends award of a contract to the Federal Life Insurance Company, the lowest bidder, at the rates indicated below.

##### *Staff Insurance*

The premiums for participants in the staff programs will be the same for each campus:

	<i>Annual Premium to be Paid to Company</i>	<i>Annual Premium to be Paid by Insured</i>
Employee.....	\$ 42 12	\$ 44 00
Employee and Dependents.....	112 80	116 00

##### *Student Insurance*

The accidental death and dismemberment benefits under the current program are limited to required field trips off campus.

An option was included in the bid for providing this coverage to the students on a twenty-four-hour basis for the entire semester regardless of the student's activity for an additional premium of sixty cents per student per semester, or forty-five cents per quarter.

The current program now provides a hospital room and board allowance of \$14.00 per day at all hospitals, with the exception of McKinley Hospital, where the allowance is \$11.00 per day. The additional premium for increasing the daily benefit at McKinley Hospital to \$14.00 per day is thirty-seven cents per student per semester.

Alternate I in the bid provides a \$300.00 maximum Surgical Schedule in lieu of the current \$225.00 at Urbana, and a flat deductible of \$150.00 between the base plan benefits and the major medical benefit in lieu of a 50 per cent deductible with a maximum deductible of \$372.50.

Alternate II provided a \$200.00 deductible between the base plan and the major medical plan, and is less advantageous than Alternate I.

Fees to be paid by students at the three campuses are as follows:

	<i>Urbana Semester</i>	<i>Chicago Undergraduate Semester</i>	<i>Medical Center Quarter</i>
Student.....	\$10 00	\$ 9 00	\$6 00
Spouse.....	12 50	12 00	9 00
Child.....	9 00	8 00	6 00

The Vice-President and Comptroller recommends that the program for the Urbana students provide the benefits under Alternate I, including the \$14.00 per day hospital room and board allowance at McKinley Hospital, and that accidental death and dismemberment coverage on a twenty-four-hour basis be provided on all campuses. The Vice-Presidents for the Medical Center and the Chicago Undergraduate Division concur.

	<i>Premium Per Semester to be Paid to Company Chicago</i>		<i>Premium Per Quarter to be Paid to Company Medical Center</i>
	<i>Urbana</i>	<i>Undergraduate Division</i>	
Student.....	\$ 9 20	\$7 20	\$6 00
Spouse.....	12 10	9 75	9 00
Child.....	8 63	6 95	6 00

The excess over the cost of the coverage is to defray the administrative costs of the three programs and the cost of operating McKinley Hospital in excess of the amounts provided in the insurance policy. The additional cost of the twenty-four hour accidental death and dismemberment benefits at Urbana-Champaign and the Medical Center can be absorbed for the current biennium from balances accumulated in the administrative allowance with no change in the student fee. At the Chicago Undergraduate Division, it is necessary to increase the student fee from \$8.00 to \$9.00 a semester. The Vice-President and Comptroller and the Vice-President for the Chicago Undergraduate Division recommend that the service fee at that campus be reduced by \$1.00 for all students (from \$17.00 to \$16.00 for full-time students) so there will be no increase in total fees. The service fee will be distributed 32 per cent to Union Building operations and 68 per cent to Union Building replacement.

I concur in the above recommendations.

On motion of Mr. Swain, these recommendations were approved.

#### **PURCHASES**

##### **Purchases Authorized**

(22) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase was recommended on the basis of the lowest acceptable bid.

##### *Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One automatic tissue processor with accessories consisting of one water bath, twelve 24-hour discs, two week-end time delays, sixty receptacles and three paraffin baths	Agency for International Development (Faculty of Medicine — Chiangmai Hospital, Thailand)	Technicon International, Ltd., Chauncey, N.Y.	\$2 599 00 c & f Bangkok, Thailand
One six-channel polygraph and accessories	Agency for International Development (Faculty of Medicine — Chiangmai Hospital, Thailand)	E & M Instrument Co., Inc., Houston, Texas	5 840 00 f.o.b. Houston, Texas
Services of research vessel "R. V. Inland Seas" for twenty days during the period June 17, 1963, to August 31, 1963	Geology	Great Lakes Research Division, Institute of Science and Technology, Ann Arbor, Mich.	20 000 00

On motion of Mr. Johnston, these purchases were approved.

##### **Purchases Recommended**

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government; contracts with private corporations and other organizations, from foundation grants, and grants from corporations and other donors; and University revolving funds authorized by law.

*Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One shear-test machine equipped with maximum load indicator and constant speed motor, to be used in precise measurement of tensile force in pounds required for shear failure of standard plywood specimens	Forestry	Riehle Testing Machines, Division of Ametek, Inc., East Moline	\$2 880 00 f.o.b. delivered
462 movable tablet arm classroom chairs with metal frame, plastic seat and back, book rack, and plastic writing surface	Physical Plant Storeroom	S. Buckman Furniture & Supply Co., Spring Valley	6 202 07 f.o.b. delivered
Binding (books, serials and newspapers) for all University libraries, viz. Urbana, Chicago Medical Center, and Chicago Undergraduate Division, for the two-year period July 1, 1963, through June 30, 1965	Library	Bergemeier Book Binding, Inc., Chicago Medical Center Chicago Undergraduate Division Arthur Hertzberg & Craftsmen, Inc., Chicago Urbana	10 000 00 5 000 00 100 000 00 (115 000 00)

*Purchases from Institutional Funds*

225 stainless steel mouse cages and tops	Medical Research Laboratory, Chicago	Dehler Manufacturing Co., Inc., c/o Animal Cage Specialties Co., Oak Park	2 958 75 delivered
One pH and blood gas analyzer and accessories to be used for the measurement of partial pressure of oxygen and carbon dioxide in blood	Medicine, Chicago	Instrumentation Laboratory, Inc., Boston, Mass.	2 597 18 delivered
One system for converting an automatic sample changer to a low background automatic sample changer	Pharmacology (College of Medicine)	Nuclear-Chicago Corp., Chicago	2 683 95 delivered
2,500 vials methicillin sodium; this represents a three-month supply of this item	Pharmacy Stores, Chicago	Broadway Medical Supply, Chicago	10 085 00 delivered
One high-power pulsed oscillator, 12KC to 220MC, thirteen coil ranges	Mining, Metallurgy, and Petroleum Engineering	Arenburg Ultrasonic Laboratory, Inc., Jamaica Plains, Mass.	3 327 00 f.o.b. Jamaica Plains, Mass.
Two precision attenuators			
One overload eliminator balancing network			
One set cables and adapters			
Two preamplifiers			
One oscilloscope, DC to 95 MC, with sweep-delay feature, plug-in preamplifier, probe and adapter, dual-trace plug-in unit	Mining, Metallurgy, and Petroleum Engineering	Tektronix, Inc., Park Ridge	3 189 50 f.o.b. Beaverton, Ore.
One power supply			
One mounting frame			
One pulse generator			
One portable scope cart			
One oscilloscope dual-beam, independent sweep systems and delay sweep, 4 kv accelerating potential	Psychology	Tektronix, Inc., Park Ridge	3 595 00 f.o.b. Beaverton, Ore.
Two preamplifiers, plug-in type, 0.2 cps to 40 kc			
Two mounting frames			
One power supply minus 90 vdc to plus 135 vdc			
Two differential amplifier			
One dual trace unit			
One control system			
One pulse generator			
One waveform generator			
One fast-rise generator			
One indicator unit			
One storage freezer, low temperature, to be used in storing reference sera	Veterinary Medicine	Nance Refrigeration, Urbana	2 627 42 f.o.b. delivered
Motion picture equipment including distributor control panel and cabinet, interlock distributor, six motor attachments, six relays, 50 ft. interlock cable, one flexible cable, and one remote control attachment for recorder	University of Illinois Committee on School Mathematics	Magnasyn Corp., North Hollywood, Calif.	3 033 10 f.o.b. delivered
Furnish and install theatre draperies and stage skirts for the Assembly Hall; furnish storage boxes for draperies and stage skirts	Assembly Hall	Peter H. Albrecht Co., Milwaukee, Wis.	31 783 00 f.o.b. delivered and installed

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furnish polacolor film of various types, dip kits, and mounts for period July 1, 1963, through June 30, 1965, to be supplied as required by the Photographic Laboratory	Photographic Laboratory	Eastman Kodak Stores, Inc., Chicago	\$ 8 467 20 f.o.b. delivered
Furnish processing services as required for 16 mm. and 35 mm. color films, prints, enlargements, and slides, and duplicating color slides, for period July 1, 1963, through June 30, 1965	Photographic Laboratory	Champaign Blueprint, Champaign	6 612 94 f.o.b. delivered
Furnish professional photographic materials including transfer papers, offset masters, activator, additives, pin-bar masters, conditioners, and films for period July 1, 1963, to June 30, 1965	Photographic Laboratory	Eastman Kodak Stores, Inc., Chicago	5 620 50 L.o.b. delivered
Furnish graphic arts supplies including pre-sensitized grainless aluminum offset plates, developer, film and print paper, to be supplied as required by the Print Shop for the period July 1, 1963, through June 30, 1965	Print Shop	Roberts & Porter, Inc., Chicago	6 535 50 f.o.b. delivered
824 storm sash, aluminum, complete with weatherstripping and necessary hardware to be furnished and installed in the Orchard Downs Housing project; 504 units to be installed in the original Orchard Downs and 320 to be installed in the First Addition to Orchard Downs	Physical Plant	Illini Window Co. Division, Harlan E. Moore & Co., Champaign	15 244 00 f.o.b. delivered and installed

On motion of Mr. Johnston, these purchases were authorized.

#### COMPTROLLER'S REPORT OF CONTRACTS

(23) The Comptroller's report of contracts executed during the period June 1 to 30, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
National Aeronautics and Space Administration NsG 376	Underlying processes and techniques of low-pressure measurement	\$106 105 00	December 1, 1962
National Aeronautics and Space Administration NsG 434	Line integrals, surface integrals, volumes, centroids, and moments of inertia for a class of shells of revolution and for a larger class of shells	15 323 00	June 16, 1963
United States Air Force AF 33 (657)-10822	Deformation and fracture of crystalline solids under dynamic loading	20 134 00	June 1, 1963
United States Air Force AF 33 (657)-11715	Theoretical investigation of dynamic characteristics of skin-stiffener panels	5 000 00	June 1, 1963
United States Army DA-31-124-ARO(D)-114	Theoretical problems in solid state and low temperature physics	60 870 00	September 1, 1964
United States Atomic Energy Commission AT (11-1)-1282	Radioisotopic studies of reticulo-endothelial phagocytosis in relation to normal and neoplastic growth, and to immune phenomena	11 481 00	May 17, 1963
United States Department of Agriculture 12-14-100-6883(71)	Production of spore dust to control Japanese beetle infestations	35 170 00	May 22, 1963
United States Department of Agriculture 12-14-100-6894(71)	Organo complexes of transition metals as homogeneous catalysts for hydrogenation of soybean oil	31 475 00	June 11, 1963
United States Department of Health, Education, and Welfare OE-3-10-117	Curricula content for Technical Education	61 614 00	June 1, 1963
United States Department of Health, Education, and Welfare OE-3-13-036	Language and area center in Russian	55 070 00	July 1, 1963
<i>Total</i>		<u>3402 242 00</u>	

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
State's Attorney of Champaign County	Payment, in lieu of taxes, for services rendered (Student-Staff Apartments, second unit)	\$ 3 688 60	May 28, 1963
State's Attorney of Champaign County	Payment, in lieu of taxes, for services rendered (forty-three tracts)	26 854 96	May 28, 1963
<i>Total</i>		<u>\$30 543 56</u>	

**Contract Changes**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Association of American Railroads	Causes of failures in railroad rails in service	\$19 500 00	November 2, 1962
United States Army DA-36-039-SC-87280	Quantitative determination of point and areal precipitation by radar echo measurements	62 785 00	June 7, 1963
United States Atomic Energy Commission AT (11-1)-1199	Studies of fallout of radioactivity in Illinois	78 000 00	June 10, 1963
United States Navy Nonr-1834 (05)	Nuclear disintegration schemes and nuclear interactions of cosmic rays	630 000 00	May 31, 1963
United States Navy Nonr-1834 (31)	Spectral reflectance characteristics of forest vegetation	8 653 00	May 31, 1963
United States Navy Nonr-3134 (00)	Ultrasound in biology and medicine	2 982 00	May 28, 1963
<i>Total</i>		<u>\$801 920 00</u>	

**Adjustments Made in 1962-63 Cost-Plus Contracts**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Seventeen items: \$61.71 deduct to \$400.00	\$ 2 064 45	May and June, 1963
<i>Total</i>		<u>\$ 2 064 45</u>	

**Summary**

Amount to be paid to the University.....	\$1 204 162 00
Amount to be paid by the University.....	\$ 32 608 01

This report was received for record.

**CONTRACT FOR MINOR BUILDING ALTERATIONS AND REPAIRS**

(24) The Board of Trustees on June 19, 1963, authorized award of a cost-plus contract for minor building alterations, repairs, and construction work for the period July 1, 1963, through June 30, 1964, to Clarence H. Siems, Urbana, Illinois.

Mr. Siems has since stated that a serious illness in his family will prevent him from performing the work and has requested that he be permitted to withdraw his bid.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that Mr. Siems' request be granted, that the Board of Trustees rescind its action of June 19, 1963, authorizing execution of a contract with Clarence H. Siems, doing business as Clarence H. Siems Company, and recommend award of a cost-plus contract for minor building alterations, repairs, and construction work for the period July 1, 1963, through June 30, 1964, to the Dean Evans Company, Champaign, Illinois, the next lowest bidder.

I concur.

On motion of Mr. Johnston, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**EQUIPMENT AND ACCESSORIES  
FOR DIGITAL COMPUTER LABORATORY**

(25) The Director of Purchases, with the concurrence of the Vice-President and Comptroller, recommends authorization of a lease-purchase agreement with International Business Machines Corporation (through the Springfield, Illinois, office)



for equipment and accessories to up-date and expand the IBM 7090 computer system in the Digital Computer Laboratory which will include conversion of IBM 7090 to 7094 System, one IBM 1401 computer assembly, and accessories to provide additional input-output channel.

Agreement would provide for a monthly rental of \$11,024.00, option deposit of \$4,857.94, and a purchase price of \$492,419.00 if the University exercises the option to purchase, depending upon the availability of funds from a federal grant and from indirect costs received under government contracts. The prices are net free on board, delivered at Urbana after an educational discount of 60 per cent.

A supporting memorandum is submitted herewith, and a copy is being filed with the Secretary of the Board for record.

I recommend approval.

On motion of Mr. Swain, this purchase was authorized.

#### AMENDMENT OF HOUSING REVENUE BOND RESOLUTIONS

(26) The Housing Revenue Bond Resolution approved by the Board December 17, 1958, the First Supplemental Housing Revenue Bond Resolution approved June 23, 1959, and the Second Supplemental Housing Revenue Bond Resolution approved October 21, 1959, provide in the form of bonds that the bonds will be executed by the facsimile signature of the President and signed by the two members of the Board.

Subsequent to the adoption of these resolutions, the General Assembly passed the Uniform Facsimile Signature of Public Officials Act which provides that facsimile signatures can be used on any bond, so long as there is one manual signature. All the bonds are signed manually by the Secretary of the Board.

The Housing and Home Finance Agency has requested that coupon bonds be issued in exchange for fully registered bonds, and new bonds have to be printed. In order that the two members of the Board may have their facsimile signatures printed on the bonds in lieu of signing the bonds manually, the Vice-President and Comptroller recommends that the form of bonds of these three issues be amended to provide for their facsimile signatures.

I concur and recommend adoption of the following resolution:

#### Resolution

WHEREAS, The Board of Trustees of the University of Illinois has heretofore issued its Housing Revenue Bonds of 1958 Series A and B, its Housing Revenue Bonds of 1959 Series A, B, C, and D, under and pursuant to a Resolution (the "Resolution") duly adopted December 17, 1958, as supplemented by First and Second Supplemental Resolutions respectively, adopted June 23, 1959, and October 21, 1959; and

WHEREAS, said Resolution provides that Bonds issued thereunder shall be signed by the President and any two members of The Board of Trustees and shall have the seal of the University affixed thereto (or a facsimile seal or signatures as permitted by law); and

WHEREAS, it is now permitted by law that Bonds of this Board of Trustees be signed by the facsimile signatures of the President and two members of the Board but the forms of the Housing Revenue Bonds of 1958 and 1959 set forth in the Resolution and the said First and Second Supplemental Resolutions thereto recite that they have been executed by the facsimile signature of the President and signed by two of its members; and

WHEREAS, this Board of Trustees now desires to cause Bonds which are to be issued in exchange for outstanding Housing Revenue Bonds of 1958 and 1959 to be executed by the facsimile signatures of its President and two of its members.

Now, Therefore, Be It and It Is Hereby Resolved that all Bonds of The Board of Trustees of the University of Illinois issued or to be issued in exchange for outstanding Housing Revenue Bonds of 1958 Series A and B, and Housing Revenue Bonds of 1959 Series A, B, C, and D, may be executed by the facsimile signatures of the President and two members of the Board of Trustees and the officers of the Board of Trustees are hereby authorized and directed to make such changes in the final paragraph of the form of the Bond as shall be consistent with the manner in which it is executed and delivered.

*Resolved Further* that if the Bonds are executed by facsimile signatures of the President and two members of this Board of Trustees, the following language is hereby authorized and approved for the text of the final paragraph of each of the Bond forms:

*"In Witness Whereof*, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signature of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and this bond to be dated as of the ..... day of ....., 19....."

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### FAIR EMPLOYMENT PRACTICES COMMISSION LEGISLATION

Mr. Dilliard moved that the Board of Trustees of the University of Illinois take approving notice of the passage by the Illinois Legislature of the new FEPC bill clarifying the relations between the Illinois FEPC and the state government of Illinois, and its subdivisions and other tax-supported units of government in Illinois, and that the Board of Trustees further pledge cooperation and support in fair employment practices, aims, and purposes in accordance with existing University policies.

This motion was adopted.

#### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, declinations, cancellations, and terminations; leaves of absence; changes in sabbatical leaves of absence.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

BISWAS, MRS. CHITRA, Assistant in Dairy Science (S), two months from July 1, 1963, \$433.33 a month, supersedes (6-14-63).

BOHM, LARRY G., Project Assistant in the State Natural History Survey, two months from July 1, 1963, \$368 a month, supersedes (6-6-63).

BORCHART, EUGENE K., Instructor in Radiology (Medicine), six months from July 1, 1963, \$12,000, supersedes (6-6-63).

CICENAS, ZINNIA, Registered Pharmacist in Hospital Pharmacy (Pharmacy), three months from June 1, 1963, \$625 a month (6-6-63).

DICKINSON, JOHN O., Instructor in Veterinary Physiology and Pharmacology (College of Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station),  $\frac{2}{3}$  time, three months from June 1, 1963, \$425 a month; and  $\frac{2}{3}$  time, one year from September 1, 1963, \$5,100 (6-13-63).

DUNPHY, EDWARD J., Assistant in Soil Fertility (Agronomy) (S), two months from July 1, 1963, \$416.67 a month, supersedes (6-6-63).

FELLO, MICHAEL A., Research Assistant in Medicine (Medicine), July 1, 1963-August 31, 1964, \$7,350 a year (6-8-63).

FOSTER, MERLIN J., Research Programmer in the Digital Computer Laboratory, two months from July 1, 1963, \$1,454.54, supersedes nonacademic appointment (6-7-63).

GILLESPIE, ROBERT W., Assistant Professor of Economics, two months from June 16, 1963, \$1,910; this is in addition to his present appointment (6-6-63).

GROFF, FRANKLIN H., Assistant-Counseling in the Student Counseling Service, one month from June 1, 1963, \$527.92, supersedes (6-6-63).

- HAHN, JEROME J., Instructor in Medicine (Medicine), July 1, 1963-August 31, 1964, \$10,500 a year (6-6-63).
- HARMS, ALFRED G., Research Associate in Agricultural Economics (S),  $\frac{3}{4}$  time, February 1-June 15, 1963, \$2,531.25 (6-3-63).
- HODGMAN, DONALD R., Professor of Economics, two months from June 16, 1963, \$3,334; this is in addition to his present appointment (6-6-63).
- HUBER, THOMAS L., Research Associate in Animal Science (S), July 1, 1963-August 31, 1964, \$6,100 a year (6-8-63).
- JACKSON, JOSEPH F., Professor of French, 31/100 time, June 17-August 10, 1963, \$850; this is in addition to his present appointment (6-6-63).
- KORNACKER, MRS. MILDRED, Instructor in Sociology (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,289 for the period (6-14-63).
- KUNG, MARY R. W., Microanalyst in Chemistry,  $\frac{3}{4}$  time, June 16-August 31, 1963, \$312.50 a month, supersedes (6-13-63).
- LAMBERT, ROBERT J., Research Associate in Agronomy (S), July 1, 1963-August 31, 1964, \$7,000 a year, supersedes (6-6-63).
- LARSON, CARL M., Assistant Professor of Marketing (Chicago Undergraduate Division), June 21-August 16, 1963, \$1,756; this is in addition to his present appointment (6-6-63).
- LAUGHUNN, DANNY J., Assistant in the Graduate School of Business Administration (College of Commerce and Business Administration), June 10-September 9, 1963, \$666.67 a month (6-6-63).
- MACKIN, JOHN H., JR., Assistant to the Dean of the College of Liberal Arts and Sciences (Chicago Undergraduate Division), June 21-August 16, 1963, \$1,689; this is in addition to his present appointment (5-17-63).
- MASON, JAMES H., Instructor in Surgery (Medicine),  $\frac{1}{2}$  time, two months from July 1, 1963, \$4,700 a year (6-14-63).
- MCCORMICK, DONALD B., Visiting Lecturer in Chemical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$2,136 for the period (6-13-63).
- MCCOY, RAYMOND A., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$2,100 for the period (6-13-63).
- MCMANUS, JOHN B., Research Assistant in the Statistical Service Unit, June 16-August 31, 1963, \$428.33 a month (6-4-63).
- MEISSEN, MARVIN F., Assistant in Soil Fertility (Agronomy) (S), three months from June 1, 1963, \$416.67 a month, supersedes (6-14-63).
- MERRILL, MARY E., Assistant in English, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-10-63).
- MUKHERJEE, KALINATH, Research Associate in Metallurgical Engineering (C), three months from June 1, 1963, \$666.67 a month, supersedes (6-10-63).
- ORLOPP, DONALD E., Special Research Assistant in the State Geological Survey, seven months from July 1, 1963, \$6,600 a year (6-12-63).
- PATTERSON, HARLAN R., Assistant Professor of Finance, academic year beginning September 1, 1963, \$7,500 (6-6-63).
- PERRY, GEORGE T., Clinical Instructor in Medicine (Medicine), four months from May 1, 1963, without salary (5-31-63).
- RADICE, CANIO, Professor of Art (Chicago Undergraduate Division), June 21-August 16, 1963, \$2,289; this is in addition to his present appointment (5-31-63).
- RIBEIRO, SERGIO T., Research Associate in the Digital Computer Laboratory, two months from July 16, 1963, \$1,444.44 (5-31-63).
- ROBB, SEWARD E., Research Assistant Professor of Management,  $\frac{1}{2}$  time, June 18-August 9, 1963, \$833, supersedes (6-6-63).
- ROHATSCH, FRED A., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1963, \$933.32 (6-4-63).
- ROWE, JAMES A., Clinical Instructor in Medicine (Medicine), four months from May 1, 1963, without salary (5-31-63).
- RUCKER, WALTER E., Research Associate in Education (University High School), one year from September 1, 1963, \$9,000 (5-31-63).
- SHIVELY, RICHARD R., Research Associate in the Digital Computer Laboratory, June 16-July 31, 1963, \$1,083.33 (5-31-63).
- SHUGRUE, MICHAEL F., Assistant Professor of English, two years from September 1, 1963, to render service during each academic year, \$7,300 a year (5-31-63).

- SIEGFRIED, ROBERT, Associate Professor of Chemistry (Division of General Studies), Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$989 for the period (6-13-63).
- SIMON, ELLEN M., Research Associate in Zoology,  $\frac{1}{4}$  time, June 16-August 31, 1963, \$222.22 a month, supersedes (6-14-63).
- SIMONELLI, LEONARDO, Research Associate in the Coordinated Science Laboratory (C), one year from August 1, 1963, \$7,200 (6-6-63).
- SNYDER, HAROLD R., Research Professor of Organic Chemistry (College of Liberal Arts and Sciences) and Associate Dean of the Graduate College, two months from June 16, 1963, \$3,777.76; this is in addition to his present appointment (6-13-63).
- STEIN, SONDR A. R., Research Associate in Microbiology, June 16-August 31, 1963, \$583.33 a month (6-6-63).
- STIPPES, MARVIN C., Professor of Theoretical and Applied Mechanics, Summer Session of 1963,  $\frac{3}{4}$  time, June 17-August 10, 1963, \$1,934 for the period (6-13-63).
- STRAND, KENNETH H., Assistant in Physical Education for Men (Chicago Undergraduate Division), nine months from September 16, 1963, \$4,600; also \$500 to be received from the Athletic Association (5-31-63).
- THODE, E. WAYNE, Visiting Lecturer in Law, Summer Session of 1963, June 17-August 10, 1963, \$3,000 for the period (6-14-63).
- THOITS, CHARLES F., III, Research Associate in the State Natural History Survey, two months from July 1, 1963, \$580 a month, supersedes (6-6-63).
- TIRVA, ALGIS A., Research Assistant in Mechanical Engineering (College of Engineering) and in the Small Homes Council-Building Research Council (College of Fine and Applied Arts), June 16-August 31, 1963, \$488.88 a month (6-8-63).
- TOVAR, ANTONIO, Professor of the Classics, one month from August 1, 1963, \$1,500 (6-4-63).
- TURNBAUGH, ROY C., Visiting Lecturer in Education, Summer Session of 1963, June 17-July 14, 1963, \$1,000 for the period (6-13-63).
- VAN BILJON, L., Visiting Research Associate in the Digital Computer Laboratory, June 16, 1963-January 31, 1964, \$5,416.65 (6-4-63).
- VESTLING, CARL S., Professor of Biochemistry, Summer Session of 1963, June 17-August 10, 1963, \$3,400 for the period (6-13-63).
- WALES, JANET M., Research Assistant in the Bureau of Economic and Business Research, June 1-August 23, 1963, \$408.33 a month, supersedes (6-13-63).
- WANKA, FRIEDRICH, Research Associate in Botany, five months from July 1, 1963, \$487.50 a month (6-8-63).
- WEBB, RICHARD S., JR., Instructor in Surgery (Medicine),  $\frac{3}{4}$  time, two months from July 1, 1963, \$531.25 a month, supersedes (6-14-63).
- WETMORE, LOUIS B., Professor of City Planning and Landscape Architecture, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$1,789 for the period (6-13-63).
- WUNDERLE, STEVEN L., Research Assistant in the State Natural History Survey, one month from June 1, 1963, \$415 (6-13-63).
- YANKOVSKY, SAUL A., Research Associate in Microbiology, June 16-August 31, 1963, \$500 a month, supersedes his appointment as United States Public Health Service Fellow (Trainee) in Microbiology (6-8-63).
- ZAHORSZKY, UWE INGOMAR, Research Associate in Chemistry, June 16-August 31, 1963, \$508.33 a month; and for one year from September 1, 1963, \$6,100 (6-8-63).

#### GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- ANDERSON, SONIA R., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$467 (5-28-63).
- ARNOLD, MARJORIE L., Postdoctoral Fellow Trainee in Chemistry, June 16-August 31, 1963, \$541.66 a month (6-20-63).
- BAKER, SHEILA E., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (5-16-63).
- BLOSTEIN, RHODA, Postdoctoral Fellow Trainee in Chemistry, June 16-August 31, 1963, \$270.83 a month (6-20-63).

- BRILL, WINSTON J., United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, \$3,200 (5-24-63).
- BROSAMLER, GUNNAR, Continental Oil Company Fellow in Mathematics, nine months from September 16, 1963, \$2,200, supersedes; and Summer Fellow in Mathematics, two months from June 16, 1963, \$375 (6-3-63).
- CADKIN, LAWRENCE M., Medical Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, \$600 (5-3-63).
- CALDARELLI, DAVID D., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, \$600 (5-6-63).
- CARNEY, JOSEPH H., Teaching Fellow in Chemistry, nine months from September 16, 1963, \$2,000; and two months from June 16, 1964, \$500, supersedes; this is in addition to his Sigma Xi Summer 1963 Fellowship (5-31-63).
- CROCHOLA, RONALD G., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, \$600 (5-6-63).
- CHRISTENSEN, JAMES, JR., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1963, \$500 (6-14-63).
- DUBROW, IRA W., Medical Student Summer Quarter Fellow in Pathology, three months from June 16, 1963, \$600 (5-6-63).
- DUKER, NAHUM J., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, \$600 (5-8-63).
- DVORAK, PAUL F., Medical Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, \$600 (5-18-63).
- D'ZURILLA, THOMAS J., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$2,400 (6-3-63).
- EMBEITA, MARIA J., Summer Fellow in Spanish, two months from June 16, 1963, \$375 (4-16-63).
- FARMER, MELVIN L., United States Public Health Service Predoctoral Fellow in Chemistry, one year from June 16, 1963, \$3,200 (6-11-63).
- FITZGERALD, JAMES E., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, June 1, 1963-June 30, 1964, \$7,041.66 (5-24-63).
- FRANDZEL, JOEL, Dental Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, \$600 (5-14-63).
- FREDERIKSEN, CARL H., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (5-17-63).
- FRIEDMAN, THEODORE A., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, \$600 (5-6-63).
- FRYMAN, RICHARD F., Fellow in Economics, nine months from September 16, 1963, \$2,000; and two months from June 16, 1963, \$500, supersedes (6-10-63).
- GIBBONS, MARY F., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-27-63).
- GLAS, JOSEPH P., Diamond Alkali Summer Fellow in Chemical Engineering, two months from June 16, 1963, \$600 (5-27-63).
- GOLDEN, IRWIN L., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, \$600 (5-6-63).
- GOLDMAN, BARRY, Medical Student Alternative Quarter Fellow, three months from June 16, 1963, \$200 (5-16-63).
- GOLDSTEIN, ARNOLD S., Medical Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, \$600 (5-3-63).
- GORFINKEL, HARVEY J., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, \$600 (5-6-63).
- HANCOCK, E. BRADY, Dental Student Summer Quarter Fellow in Histology, three months from June 16, 1963, \$600 (5-14-63).
- HARPRING, LINDA, United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-27-63).
- HARRIS, GERALD E., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, \$600 (5-6-63).
- HELM, FREDERIC C., Medical Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, \$600 (5-3-63).
- HENNEIKE, HENRY F., National Science Foundation Graduate Fellow in Chemistry, one year from June 16, 1963, \$2,800 (6-19-63).
- HOLMES, PETER K., United States Public Health Service Fellow (Trainee) in Microbiology, seven months from July 1, 1963, \$1,866.69 (5-24-63).

- JACOBSON, LEWIS A., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,100; and United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-27-63).
- KAHLE, GLENN W., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1963, \$2,600 (5-16-63).
- KAISER, DAVID A., Dental Student Summer Quarter Fellow in Pedodontics, three months from June 16, 1963, \$600 (5-14-63).
- KINDT, THOMAS J., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,100; and United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-28-63).
- KLAMA, DALE J., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (5-16-63).
- KRUG, RONALD S., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$2,400 (6-3-63).
- KUENZI, NORBERT J., National Science Foundation Institute Fellow in Mathematics, three months from June 16, 1963, \$1,327.50 (6-14-63).
- KUHONTA, PRECISO C., Wright Fellow in Agricultural Economics, nine months from September 16, 1963, \$1,800; and two months from June 16, 1964, \$600, supersedes (5-31-63).
- LANDSTROM, DONALD L., Medical Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, \$600 (5-3-63).
- LAWRENCE, SANDRA L., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-27-63).
- LUKANCIC, MILDRED J., Medical Student Summer Quarter Fellow in Microbiology, three months from June 16, 1963, \$600 (5-3-63).
- MAGNUS, DAVID P., Medical Student Summer Quarter Fellow in Pharmacology, three months from June 16, 1963, \$600 (5-3-63).
- MACLEOD, ROBERT M., United States Public Health Service Fellow (Trainee) in Biophysics, one year from June 16, 1963, \$2,666 (6-4-63).
- MARX, ROBERT D., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (6-3-63).
- MCDANIEL, RICHARD T., Dental Student Summer Quarter Fellow in Microbiology, three months from June 16, 1963, \$600 (5-14-63).
- MCGURK, DONALD J., Hoffman-LaRoche, Inc., Summer Fellow in Chemistry, two months from June 16, 1963, \$500 (6-3-63).
- McMANN, MARSHA R., Teaching Fellow in Dance, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375, supersedes (6-4-63).
- MILNER, LARRY S., Tobacco Industry Research Fellow in Anatomy at the Medical Center, three months from June 16, 1963, \$600 (5-8-63).
- MOORE, JAMES L., United States Public Health Service Fellow (Trainee) in Chemistry, February 1-August 15, 1963, \$1,444.43 (5-27-63).
- MURRAY, CECIL P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740, supersedes (6-6-63).
- MUSLINER, WALTER J., Hoffman-LaRoche, Inc., Summer Fellow in Chemistry, two months from June 16, 1963, \$500 (6-3-63).
- NIXON, JOSEPH E., United States Public Health Service Fellow (Trainee) in Animal Science, one year from July 1, 1963, \$2,600 (6-14-63).
- OSTER, MARK O., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$467 (5-27-63).
- PECK, ARNOLD M., Medical Student Alternative Quarter Fellow in Anatomy, three months from December 16, 1963, \$200 (5-6-63).
- POLSKY, ROBERT N., Medical Student Summer Quarter Fellow in Pathology, three months from June 16, 1963, \$600 (5-6-63).
- POWER, GARRETT, Fellow in Law, Summer Session of 1963, June 17-August 10, 1963, \$375 (6-8-63).
- RAIN, DON W., National Science Foundation Graduate Fellow in Electrical Engineering, one year from June 1, 1963, \$3,700 (6-14-63).
- RESSMAN, RICHARD B., Medical Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, \$600 (5-3-63).
- RHODES, MITCHELL L., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, \$600 (5-6-63).

- ROBINSON, MARIE L., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,100; and United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-27-63).
- ROGENESS, GRAHAM A., Medical Student Alternative Quarter Fellow, three months from June 16, 1963, \$200 (5-6-63).
- SAMUELS, ARNOLD H., Medical Student Summer Quarter Fellow in Biological Chemistry, three months from June 16, 1963, \$300 (5-16-63).
- SARNAT, HARVEY B., Medical Student Summer Quarter Fellow in Anatomy, three months from June 16, 1963, \$600 (5-6-63).
- SCHROEDER, WILLIAM F., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from August 1, 1963, \$5,700 (6-14-63).
- SCHUFFLER, MICHAEL D., Medical Student Summer Fellow in Biochemistry, three months from June 16, 1963, \$600 (5-8-63).
- SCHULTE, RICHARD H., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$2,400 (6-3-63).
- SENNELLO, LAWRENCE T., United States Public Health Service Fellow (Trainee) in Food Technology, one year from June 16, 1963, \$2,500 (6-14-63).
- SHAAFI, RAMADAN I., United States Public Health Service Fellow (Trainee) in Biophysics, one year from June 16, 1963, \$2,666 (6-4-63).
- SHALLAT, RONALD F., Medical Student Summer Quarter Fellow in Pediatrics, three months from June 16, 1963, \$600 (5-3-63).
- SHARP, JAMES B., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 1, 1963, \$6,300 (6-14-63).
- SLATER, DONALD W., United States Public Health Service Fellow (Trainee) in Microbiology, June 16, 1963-August 31, 1964, \$2,820 (5-24-63).
- SLOAN, DENNIS E., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, \$600 (5-6-63).
- STROBACH, DONALD R., Postdoctoral Fellow Trainee in Chemistry, June 16-August 31, 1963, \$500 a month (6-20-63).
- TAYLOR, DOUGLAS H., Fellow in Mathematics, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375, supersedes (6-6-63).
- THOMAS, JOHN A., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-20-63).
- THOMASSON, WALTER N., United States Public Health Service Fellow (Trainee) in Civil Engineering (Radiological Health), nine months from September 16, 1963, \$2,700 (5-29-63).
- VAN DYCK, PETER C., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, \$600 (5-6-63).
- VETTERLING, JOHN M., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 16, 1963, \$5,200 (5-29-63).
- VICTOR, THOMAS A., Medical Student Alternative Quarter Fellow, three months from June 16, 1963, \$200 (6-6-63).
- VOILS, DON L., National Science Foundation Institute Fellow in Mathematics, three months from June 16, 1963, \$1,470 (6-14-63).
- WILLIAMSEN, JOHN A., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$3,000 (6-3-63).
- WILLMORE, FLOYD E., National Science Foundation Institute Fellow in Mathematics, three months from June 16, 1963, \$1,470 (6-14-63).
- WOLFSON, RONALD L., Medical Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, \$600 (5-3-63).
- YOUNGERMAN, WILLIAM D., Medical Student Summer Quarter Fellow in Surgery, three months from June 16, 1963, \$600 (5-3-63).
- ZBARAZ, DAVID, Medical Student Summer Quarter Fellow in Pathology, three months from June 16, 1963, \$600 (5-6-63).

**RESIGNATIONS, DECLINATIONS, CANCELLATIONS,  
AND TERMINATIONS**

- AHRENKIEL, RICHARD K., General Atomic/General Dynamics Corporation Fellow in Physics — resignation effective June 16, 1963.

- ARNOLD, MARJORIE L., Research Associate in Chemistry — resignation effective June 16, 1963.
- ARNOLD, ROGER T., Instructor in Ceramic Engineering — resignation effective June 16, 1963.
- BERGER, BENNETT M., Associate Professor of Sociology — resignation effective September 1, 1963.
- CHAPMAN, PETER J., Research Associate in Chemistry — resignation effective June 16, 1963.
- CREESE, WALTER L., Professor of Architecture — resignation effective September 1, 1963.
- DAVIDSON, RAYMOND A., Assistant Professor of Electrical Engineering — resignation effective September 1, 1963.
- DINKINES, FLORA, Associate Professor of Mathematics (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.
- ELSEY, JOHN C., Research Associate in the Coordinated Science Laboratory — resignation effective July 16, 1963.
- FRIEDMAN, ROBERT B., United States Public Health Service Fellow (Trainee) in Biological Chemistry — termination effective June 16, 1963.
- GAIDES, GLEN E., Instructor in Physical Science, Division of General Studies — resignation effective September 1, 1963.
- GLENN, JOHN R., Instructor in Art — resignation effective September 1, 1963.
- GORDON, LOUIS I., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.
- HALL, BENJAMIN D., Associate Professor of Physical Chemistry and of Biochemistry — resignation effective September 1, 1963.
- HEFTTEL, DANIEL L., Instructor in Psychology and Counselor in the Student Counseling Service (Chicago Undergraduate Division) — resignation effective July 1, 1963.
- HOPKINS, EDWARD L., Instructor in the Bureau of Community Planning — resignation effective July 20, 1963.
- HUANG, EUGENE Y., Associate Professor of Civil Engineering — resignation effective September 1, 1963.
- HUFFNAGLE, MADELINE A., Research Assistant in Zoology — resignation effective June 1, 1963.
- JONES, ROBERT A., Acquisition Assistant in the Library — resignation effective September 1, 1963.
- JORDAN, MOREEN C., Associate Professor of English (Chicago Undergraduate Division), Summer Session of 1963 — resignation effective June 21, 1963.
- KILLIAN, PAULETTA L., Research Assistant in Chemistry — resignation effective July 1, 1963.
- KUPPERMANN, ARON, Associate Professor of Physical Chemistry — resignation effective September 1, 1963.
- LEE, DONG W., Fellow in Civil Engineering — resignation effective June 16, 1963.
- MINNIS, JOANNE E., Fellow in English — resignation effective June 16, 1963.
- MORELLO, MARY R., Assistant to the Director of the Office for Foreign Students — resignation effective July 8, 1963.
- MUELLER, THOMAS J., Assistant Professor of Mechanical Engineering — resignation effective September 1, 1963.
- NEWMAN, DUANE E., Research Associate in the Natural History Survey — resignation effective July 6, 1963.
- NIKOULIN, MRS. DILARA, Instructor in Russian — resignation effective September 1, 1963.
- PAULSON, RONALD, Associate Professor of English — resignation effective September 1, 1963.
- PECORARO, GEORGE A., Owens-Corning Fiberglas Corporation Fellow in Ceramic Engineering — resignation effective June 16, 1963.
- PINK, PAUL, Research Associate in Biological Chemistry (Medicine) — resignation effective June 26, 1963.
- ROY, HEDLEY E. H., Fellow in Civil Engineering — cancellation effective June 16, 1963.
- RUINA, JACK P., Professor of Electrical Engineering and Research Professor in the Coordinated Science Laboratory — resignation effective July 1, 1963.



- SCHULTE, HENRY F., Instructor in Journalism and Assistant to the Dean of the College of Journalism and Communications—resignation effective July 1, 1963.
- SHANER, G. DAVID, Assistant Professor of Art—resignation effective September 1, 1963.
- SIEGFRIED, ROBERT, Associate Professor of Chemistry, Division of General Studies—resignation effective September 1, 1963.
- SJOBLOM, LAWRENCE R., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963—resignation effective June 21, 1963.
- SLAMA, LUCIEN P., Visiting Research Associate in Electrical Engineering—resignation effective September 1, 1963.
- STROBACH, DONALD R., Research Associate in Chemistry—resignation effective June 16, 1963.
- STROUT, DONALD E., Professor of Library Science—resignation effective September 1, 1963.
- SURESH, KUPPAHALI S., Research Associate in Chemistry (Pharmacy)—resignation effective July 1, 1963.
- THOMPSON, WAYNE N., Professor of Speech (Chicago Undergraduate Division)—resignation effective September 1, 1963.
- THOMPSON, WILLIAM R., Assistant in the Graduate School of Library Science, Summer Session of 1963—declination effective June 17, 1963.
- VESTLING, MRS. CHRISTINA M., Assistant in Library Science—resignation effective July 1, 1963.
- WAGNER, LEWIS E., Professor of Economics—resignation effective September 1, 1963.
- WALLS, MRS. WANDA J., Instructor in Textiles and Clothing (Home Economics)—resignation effective September 1, 1963.
- WEBER, EVELYN, Research Associate in Chemistry—resignation effective June 16, 1963.
- YANKOVSKY, SAUL A., United States Public Health Service Fellow (Trainee) in Microbiology—resignation effective June 16, 1963.
- YOKOYAMA, MASAHIRO, Visiting Research Associate in Electrical Engineering—resignation effective September 1, 1963.

#### LEAVES OF ABSENCE

- ARGOUEDELIS, CHRISTOS, Assistant Professor of Food Technology, in the Agricultural Experiment Station—leave of absence, without pay, during the month of August, 1963, to be combined with his vacation for travel abroad.
- BARRY, ALAN J., Assistant Professor of Physical Education for Men—leave of absence, without pay, for one year from September 1, 1963, so that he may accept a postdoctoral fellowship at Lankenau Hospital in Philadelphia, Pennsylvania, for a study of the techniques employed there in the study of human work capacity.
- LEONARD, JAMES W., Associate Professor of Finance—leave of absence, without pay, for one year from September 1, 1963, so that he may serve as a Visiting Associate Professor at Michigan State University.

#### CHANGES IN SABBATICAL LEAVES OF ABSENCE

- FOSDICK, LLOYD D., Research Professor of Physics, in the College of Engineering and in the Digital Computer Laboratory—sabbatical leave of absence for the second semester of 1963-64 with full pay; and leave of absence without pay from September 1, 1964, through February 28, 1965, supersedes previous sabbatical leave of absence granted him for the first semester of 1963-64.
- O'KELLY, LAWRENCE I., Professor of Psychology—sabbatical leave of absence for the first semester of 1963-64 with full pay, supersedes sabbatical leave of absence previously granted him for the full year on one-half pay.

#### FUTURE BOARD MEETINGS

President Clement announced that the Board will hold its next meeting on August 1, 1963, in Chicago, Illinois, with the understanding that if the volume of business does not justify calling a meeting of the full Board, he will cancel the meeting and call a meeting of the Executive Committee.

The regular September Board meeting will be held on Wednesday, September 18, 1963, in Urbana.

The date of the regular October meeting would be Wednesday, October 16, 1963. The 1963 annual meeting of the Association of Governing Boards of State Universities and Allied Institutions which some of the Trustees may wish to attend will be held at Pennsylvania State University beginning October 16, and the Trustees may wish to consider changing the date of its October meeting.

The Secretary was instructed to poll the members of the Board regarding their choice of alternate dates and places for the meeting, with the understanding that the President may order a change in the date if it appears feasible.

#### EXECUTIVE SESSION

President Clement stated that an executive session was being requested for consideration of reports and recommendations relating to property acquisitions and appointments to the staff; and that no meetings of Board Committees have been scheduled.

On motion of Mrs. Watkins, the Board voted to go into executive session.

The Board considered the following reports and recommendations from the President of the University.

#### PURCHASE OF PROPERTY AT 1113 WEST ILLINOIS STREET. URBANA, ILLINOIS

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 1113 West Illinois Street, Urbana, at a price of \$37,000, which is consistent with University appraisals.

The property is a lot 65 feet by 150 feet (9,750 square feet) and is improved with a two and one-half story and basement frame dwelling. The land is within the area needed as a site for the Center for Performing Arts.

The Committee on Buildings and Grounds has been consulted regarding this purchase, and recommends approval.

Funds are available in the state capital appropriations to the University and have been released.

I concur.

On motion of Mr. Hughes, the purchase of this property, at the price recommended, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### PURCHASE OF PROPERTY AT 206 NORTH ROMINE STREET. URBANA, ILLINOIS

(2) The Board of Trustees on March 20, 1963, authorized condemnation proceedings for the acquisition of the property at 206 North Romine Street, Urbana.

Through subsequent negotiations, and prior to filing suit, a price of \$25,000 has been agreed upon for the purchase of this property, which is within the limit authorized by the Committee on Buildings and Grounds. It also appears to be the lowest price for which the property can be acquired without condemnation proceedings and incurring the resulting costs.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

I recommend authorization of this purchase, and further recommend that the Board rescind its action of March 20 with respect to condemnation proceedings.

On motion of Mr. Johnston, the Board rescinded its action of March 20 authorizing condemnation proceedings for the acquisition of this property, and authorized its purchase at a price of \$25,000; this action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### AIRPORT IMPROVEMENTS

(3) The Federal Aviation Agency has indicated its interest in proceeding with the installation of an Instrument Landing System (ILS) on the NW/SE runway at the University of Illinois-Willard Airport. This installation can be on land within Airport boundaries, or on land which the F.A.A. has under lease. The ILS installation will be at no cost to the University since it is a part of the improvements to the Interstate Airways System. The estimated investment of \$165,000 will improve the safety facilities of the Airport in bad weather.

The F.A.A. policy is to install Approach Lighting Systems (ALS) with an Instrument Landing System wherever practicable. The Agency requests, as a part of its proceeding with the ILS system, that the University formally express its intention of acquiring necessary property rights to permit the ALS installation eventually. The rights needed are approximately nineteen acres of fee title and aviation easements over approximately one hundred and fifteen acres, all land lying off the east and west ends of the NW/SE runway.

It is anticipated that the University will soon receive \$39,000 from the federal government for its share of the cost of property acquisition in extending the N/S runway. These funds should be adequate to provide for the additional property rights necessary for the ALS installation.

The Director of the Institute of Aviation recommends that the University: (a) request that the NW/SE runway be designated as the instrument runway and, (b) assure the Federal Aviation Agency that it is the intention of the University, subject to statutory and constitutional limitations binding upon it and to the availability of funds which may lawfully be used for such purpose, to proceed to acquire the necessary land and/or aviation rights on the NW/SE runway to meet the requirements for an instrument runway and provide facilities for an Approach Lighting System.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; present but not voting, Mr. Johnston; absent, Mr. Kerner.

At this point, on motion of Mr. Dilliard, the executive session was extended for consideration of personnel matters; and all University personnel, except members of the Board of Trustees, officers of the Board, the President, the Executive Vice-President and Provost, and the Legal Counsel of the University were excused from the meeting.

At the request of Mr. Pogue, the President and Executive Vice-President and Provost reviewed certain administrative decisions relating to the status of faculty and administrative personnel. Following this review and discussion, it was the consensus of the Board that no matter of Board policy was involved.

On motion of Mr. Williamson, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**August 1, 1963**



The August meeting of the Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, on Thursday, August 1, 1963, beginning at 9:00 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner and Mr. Ray Page were absent.

Also present were Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Mr. James J. Costello, Legal Counsel, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant (representing Director C. S. Havens), Mr. C. E. Flynn, Assistant to the President and Director of Public Information; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

**MINUTES APPROVED**

The Secretary presented the minutes of the meeting of the Board of Trustees on February 20, 1963, press proof copies of which have previously been sent to the Board.

On motion of Mr. Johnston, these minutes were approved as printed on pages 359 to 417, inclusive.

**BUSINESS PRESENTED BY THE EXECUTIVE VICE-PRESIDENT  
AND PROVOST OF THE UNIVERSITY**

In the absence and on behalf of President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier presented the following reports and recommendations.

**APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY**

(1) The Committee on Accountancy recommends the appointment of Charles W. Davis, Resident Partner of Hopkins, Sutter, Owen, Mulroy, and Wentz, Lawyers, Chicago, to the Board of Examiners in Accountancy for a three-year term beginning July 1, 1963, to succeed Mr. William W. Emery, whose term expired on June 30, 1963.

I concur.

On motion of Mrs. Watkins, this appointment was approved.

**ADVISORY COMMITTEE FOR THE COLLEGE  
OF VETERINARY MEDICINE**

(2) The Dean of the College of Veterinary Medicine recommends the following additional new appointments and reappointments to the Advisory Committee for the College of Veterinary Medicine for terms of three years beginning September 1, 1963.

*New Appointments*

DR. MERRILL W. G. OTTWEIN, Rural Route 2, Edwardsville

Dr. Ottwein received the D.V.M. degree from the University in 1956, and is one of the College's most able alumni. He is keenly interested in the University, the College, and in advancement of the profession.

DR. HAROLD E. HELD, 1254 South Carroll Street, Freeport

Dr. Held received the D.V.M. degree from Iowa State University in 1942, and has been a leader, both professionally and in civic affairs, in the community in which he resides. Dr. Held is well thought of by his colleagues in the profession and has demonstrated excellent judgment and a progressive attitude.

MR. GEORGE BRAUER, Oakford

Mr. Brauer is a livestock farmer; his appointment is recommended by the Illinois Swine Improvement Association.

*Reappointments*

DR. O. NORLING-CHRISTENSEN, Wilmette

DR. C. A. KRAKOWER, Head of the Department of Pathology, College of Medicine, University of Illinois, Chicago

MR. R. V. MCKEE, Washburn

I concur.

On motion of Mr. Hughes, these appointments were approved.

**APPOINTMENTS TO CENTER FOR ZOONOSIS RESEARCH**

(3) On recommendation of the Dean of the College of Veterinary Medicine and Director of the Center for Zoonoses Research, the following appointments to the staff of the Center have been approved and are reported for record.

*Senior Memberships (indefinite tenure)*

CHARLES S. ALEXANDER, Associate Professor of Geography, College of Liberal Arts and Sciences, University of Illinois

FRED W. FOSTER, Professor of Geography, College of Liberal Arts and Sciences, University of Illinois

MANFORD E. MANSFIELD, Professor of Veterinary Extension and of Veterinary Research, Dixon Springs Experiment Station, University of Illinois

WILLIAM C. MARQUARDT, Associate Professor of Veterinary Pathology and Hygiene and of Veterinary Extension, College of Veterinary Medicine, University of Illinois

ROBERT J. WEBB, Professor of Agricultural Research and Extension, and Superintendent of Dixon Springs Experiment Station, College of Agriculture, University of Illinois

HARRY WRIGHT, Medical Director, Quadri-County Department of Health, Metropolis

*Associate Membership (for one year from September 1, 1963)*

GILBERT P. WALDBAUER, Professor of Entomology, College of Liberal Arts and Sciences, University of Illinois

*Consultants (for three years from September 1, 1963)*

CARL M. JOHNSON, Director, Gorgas Memorial Laboratory, Panama, Republic of Panama

FRED D. MAURER, Colonel, Armed Forces Institute of Pathology

MAURICE S. SHAHAN, Plum Island Animal Disease Laboratory, Greenpoint, Long Island, New York

On motion of Mr. Hughes, these appointments were confirmed.

**APPOINTMENTS TO THE FACULTY**

(4) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. ROBERT R. ALLEN, Assistant Professor of English, beginning September 1, 1963, at an annual salary of \$7,000.
2. CARL T. ARLT, Bailey Professor of Money, Banking, and Finance, beginning September 1, 1963, at an annual salary of \$20,000.
3. ALFRED J. BANNER, Assistant Professor of Housing and Home Furnishings, in the Department of Home Economics, beginning September 1, 1963, at an annual salary of \$6,800.
4. FRANK H. BEACH, Professor of Marketing, Emeritus, and Acting Head of the Department of Marketing, in the College of Commerce and Business Administration, on three-fifths time, for one year beginning September 1, 1963, at a salary of \$8,000.
5. JOHN H. BEHRENS, Assistant Extension Editor, with rank of Assistant Professor, College of Agriculture, for one year from July 15, 1963, at a salary of \$12,000.
6. JOHN BLACK, George A. Miller Distinguished Professor of Economics, for the academic year 1963-64, at a salary of \$15,000.
7. CÉSAR GRAÑA, Visiting Associate Professor of Sociology, beginning September 1, 1963, at an annual salary of \$12,000.
8. HAROLD W. GUTHRIE, Research Professor in the Bureau of Economic and Business Research, beginning September 1, 1963, at an annual salary of \$14,000.
9. ROBERT H. KOKERNOT, Professor of Epizootiology and Assistant Director of the Center for Zoonoses Research, beginning August 1, 1963, at an annual salary of \$18,000.
10. GILBERT OSOFSKY, Assistant Professor of History, in the Division of Social Sciences, Chicago Undergraduate Division, beginning September 1, 1963, at an annual salary of \$6,750.
11. CHEI-MIN PAIK, Assistant Professor of Business Administration, in the Graduate School of Business Administration, beginning September 1, 1963, at an annual salary of \$8,500.
12. JOHN K. SIMON, Assistant Professor of French, on two-thirds time, and Assistant Professor of English, on one-third time, beginning September 1, 1963, at an annual salary of \$7,500.

13. MARY E. SULLIVAN, Consultant with rank of Associate Professor, in the Jane Addams Graduate School of Social Work, beginning September 1, 1963, at an annual salary of \$11,750.
14. EARLE F. ZEIGLER, Professor of Physical Education for Men, beginning September 1, 1963, at an annual salary of \$12,000.

On motion of Mr. Williamson, these appointments were confirmed.

#### CHAIRMANSHIP OF THE DEPARTMENT OF PHILOSOPHY

- (5) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor Bernard J. Diggs as Chairman of the Department of Philosophy for two years beginning September 1, 1963, at an annual salary of \$13,000.

The present Chairman, Professor Frederick L. Will, has asked to be relieved of this administrative assignment so that he may devote full time to teaching and research. This recommendation is submitted on nomination by a search committee,<sup>1</sup> and after consultation with the Executive Committee of the Department, and is concurred in by the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.

#### GRADUATE PROGRAM LEADING TO THE DEGREE OF DOCTOR OF PHILOSOPHY IN BIOLOGY

- (6) On recommendation of the School of Life Sciences and with the concurrence of the Executive Committee of the Graduate College, the Urbana-Champaign Senate has recommended establishment of a graduate program leading to the degree of Doctor of Philosophy in Biology, for training graduate students in coordinated interdepartmental areas of biology.

#### *Admission Requirements*

A grade-point average of at least 3.75 for the last sixty hours of work.

Students entering the program must meet the admission requirements of the approved area of specialization and in addition have some general training in botany, microbiology, and zoology, with at least a year of college physics, chemistry through organic, and mathematics through analytic geometry.

#### *Requirements for the Degree*

College requirements: All students are required to fulfill the general requirements of the Graduate College, including residence, languages, preliminary and final examinations, and the thesis.

Individual programs: A student who elects to major in a particular area of biology and who satisfies the admission requirements in that area will pursue a program of graduate study planned in consultation with his major professor and subject to the approval of the area committee.

#### *Administration of the Program*

Major programs in specific areas must be approved by the Executive Committee of the School of Life Sciences, which consists of the Director and the heads or chairmen of the departments. No major program shall be approved until it has been discussed with the departments concerned in that particular area.

Responsibility for the supervision of programs in a major area will rest with an area committee. This committee will consist of an appropriate number of staff members appointed by the Director of the School.

Qualified students may elect as major adviser any staff member participating in the major curriculum. Doctoral committees are recommended by the chairman of an area committee and transmitted through the Director's Office to the Dean of the Graduate College.

<sup>1</sup> George T. Frampton, Professor of Law, Chairman; Bernard J. Diggs, Professor of Philosophy; Max H. Fisch, Professor of Philosophy and Associate Member of the Center for Advanced Study; Norman Kretzmann, Assistant Professor of Philosophy; and Frederick L. Will, Professor and Chairman of the Department of Philosophy.

*Catalog Entry*

A student may receive a degree of Doctor of Philosophy in Biology with a major in one of the approved areas of specialization.

Applicants for admission must have a minimum grade-point average of 3.75 for their last sixty hours of work and must meet the admission requirements of the approved area of specialization; in addition, they should have some general training in botany, microbiology, and zoology, with at least a year of college physics, chemistry through organic, and mathematics through analytic geometry.

Individual programs are planned in consultation with the faculty adviser and are subject to approval by an area committee. Thesis research may be carried out with the direction of any of the participating staff members under the appropriate departmental research course listings. Students in the program are eligible for assistantships and fellowships in the appropriate department of their major adviser.

Inquiries concerning the program should be sent to the Director of the School of Life Sciences, 131 Burrill Hall.

The Board of Trustees has previously approved a recommendation from the Senate for a graduate program leading to the degree of Master of Science in the Biological Sciences.

Submitted herewith is a supporting statement concerning the proposal for the new degree, a copy of which is filed with the Secretary of the Board for record.

I concur in the recommendation of the Senate for the new program leading to the Doctor of Philosophy degree, subject to further action by the Board of Higher Education; and I further recommend that the title of the master's degree be changed to Master of Science in Biology to be consistent with the title of the Doctor of Philosophy degree.

On motion of Mr. Williamson, this recommendation was approved.

**UNDERGRADUATE CURRICULUM IN LANDSCAPE ARCHITECTURE**

(7) On recommendation of the Department of City Planning and Landscape Architecture and the College of Fine and Applied Arts, the Urbana-Champaign Senate has approved certain revisions in the undergraduate curriculum in landscape architecture which do not require approval by the Board of Trustees, but included is a recommendation that the name of the degree be changed from Bachelor of Fine Arts in Landscape Architecture to Bachelor of Landscape Architecture. The master's degree will be changed to Master of Landscape Architecture.

I recommend approval.

On motion of Mr. Swain, this recommendation was approved.

**APPROPRIATIONS FOR NONRECURRING EXPENDITURES**

(8) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations and assignments of funds from the University General Reserve:

*Urbana-Champaign***1. Physical Plant Department**

Moving and air conditioning of houses at 606 and 606½ South Mathews Avenue to 1205 West Nevada Street, to clear land required as a part of the site for construction of a new chemistry laboratory building .....	\$23 434 00
Department of City Planning and Landscape Architecture, remodeling two rooms in Mumford Hall for additional office space.....	3 585 00

*Chicago Undergraduate Division*

1. Equipment for Central Stenographic Services.....	6 500 00
<i>Total</i> .....	\$33 519 00

I concur.

On motion of Mr. Johnston, these appropriations were made by the



following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

#### **PURCHASE OF LLOYD F. NICKELL LIBRARY**

(9) The Dean of Library Administration recommends the purchase of the library of the late Dr. Lloyd F. Nickell of Champaign at a price of \$45,000.

The library is a collection of eighteenth-century English literature which he assembled over a period of years while living in England. Dr. Nickell, who died about a year ago, was an alumnus of the University of Illinois Class of 1909. A supporting statement from the Dean of Library Administration is submitted herewith and a copy is filed with the Secretary of the Board.

The Library will assign \$15,000 from its funds budgeted for acquisitions for 1963-64 and an assignment of \$30,000 from Indirect Costs—General funds is requested to provide the balance needed.

I recommend approval.

On motion of Mrs. Watkins, this purchase was authorized and the requested assignment of funds was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

#### **CONTRACT FOR PLUMBING FOR UNDERGROUND STEAM TUNNEL TO MATERIALS RESEARCH LABORATORY**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$10,170, to the Burdick Plumbing and Heating Company, Inc., Decatur, Illinois, for plumbing installations in the underground steam tunnel extension to the Materials Research Laboratory.

Funds are available in the state capital appropriations for 1961-63 from the Universities Building Fund and have been reappropriated for 1963-65.

I concur.

On motion of Mr. Johnston, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

#### **CONTRACT FOR CAMPUS BUS SERVICE**

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract with the Champaign-Urbana City Lines, Inc., for a campus bus service for students and staff along the lines of the bus service operated under a University contract last year. Specific recommendations are that:

Authority be granted to continue the Illi-Bus operation starting September 10, 1963, until November 30, 1963.

The five-cent fare per passenger be continued except that those students living in Orchard Downs will be issued passes to ride free from the Downs to any point on the route; however, the passes will be honored only for a return trip to the Downs from the corner of Nevada Street and Goodwin Avenue, or at any regular bus stop between that corner and Orchard Downs.

The Illi-Bus service be utilized to provide transportation for faculty and staff registering vehicles in accordance with the new University parking regulations to become effective September 1, 1963.

The University be authorized to enter into an agreement with the Champaign-Urbana City Lines, Inc., for the period beginning September 10, 1963, and ending November 30, 1963, based on a rate of \$5.15 per bus hour of operation (this includes use of the equipment and employment of necessary personnel to provide the desired bus service, and sufficient insurance to protect both the company and the University against liability for personal injuries or property damages arising out of the operation of this service).

WALTER JOHN FREDRICK WADMAN, Glenview, Illinois	WARREN LeROY WHITE, Chicago, Illinois
MARK CRAVEN WALKER, JR., Chicago, Illinois	HENRY EDWARD WIERENGA, Cicero, Illinois
GERALD MICHAEL WALSH, Chicago, Illinois	EDWARD ALLEN WILLIAMS, Chicago, Illinois
HAROLD RICHARD WARMAN, Arlington Heights, Illinois	DENNIS WILBERT WILLIAMSON, Skokie, Illinois
ROBERT RAVEN WEAVER, Rockford, Illinois	ELWYN CHARLES WINLAND, Mt. Prospect, Illinois
JOHN HERBERT WELLMAN, Jacksonville, Illinois	RONALD JOHN WITEK, Oak Lawn, Illinois
DONALD JOHN WERNER, Champaign, Illinois	WAYNE WESLEY WOLF, La Grange Park, Illinois
WILLIAM FREDRICK WERTH, Evanston, Illinois	STEVEN EDWARD WOLLACK, Skokie, Illinois
THOMAS DENNIS WHITE, Champaign, Illinois	HOWARD YEFSKY, Chicago, Illinois

The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
WILLIAM PAUL AUSMAN	Lawrenceville, Illinois	Alabama
MERLIN MURRAY BAILEY	Indianapolis, Indiana	Indiana
WALTER P. BOYD	Phoenix, Arizona	Arizona
CHARLES VINCENT DOHERTY	Chicago, Illinois	Pennsylvania
EARL WILLIAM DRUEHL	Davenport, Iowa	Iowa
ROBERT EARLE HEARNES	Charleston, Missouri	Missouri
GEORGE FREDERICK HELLER	Wilmette, Illinois	Indiana
PAUL ALLEN HENDRIX	Cape Girardeau, Missouri	Missouri
JOHN ADOLPH NESBIT	Belleville, Illinois	Missouri
BOB R. RITCHHART	Indianapolis, Indiana	Indiana
DONALD MAURICE UREEL	Western Springs, Illinois	Michigan

I concur.

On motion of Mr. Swain, these certificates were awarded.

#### ADVISORY COMMITTEE FOR THE DIVISION OF UNIVERSITY EXTENSION

(2) The Dean of the Division of University Extension recommends the following appointments to the Division of University Extension Advisory Committee for two years beginning September 1, 1963.

##### *Representatives of the University*

PROFESSOR VAN MILLER, College of Education

PROFESSOR PHILLIP MONYPENNY, Department of Political Science

These appointees replace Professor Harvey W. Huegy, Head, Department of Marketing, and Professor George W. White, Head, Department of Geology, whose terms have expired.

Other representatives of the University on the Committee are: Professor Charles K. Brightbill, Head, Department of Recreation and Municipal Park Administration; Professor Warren F. Doolittle, Jr., Department of Art; and Professor Kenneth J. Trigger, Department of Mechanical and Industrial Engineering.

**RENEWAL OF LEASES AT NAVY PIER  
FOR CHICAGO UNDERGRADUATE DIVISION**

(13) The University's leases with the city of Chicago for portions of Navy Pier and the adjacent Drill Hall and parking facilities for the University of Illinois Chicago Undergraduate Division expired June 30, 1963. As a result of negotiations with city officials it has been determined that the University may again renew the leases on the same terms on which the leases were renewed in 1960 and subsequently amended, except for the following changes which have been agreed to by the City:

- a. All provisions of the lease for the facilities used by the University on Navy Pier, excluding the provision for parking facilities in the vicinity of the Drill Hall, will be extended to January 1, 1965, with the University having the option to renew the lease on a month-to-month basis thereafter for a period of six months. The rental will be \$161,340 per year, a reduction of \$5,760 to cover the deletion of parking facilities to be transferred to the Drill Hall lease.
- b. All provisions of the lease for the Drill Hall will be extended to June 30, 1965, with the University having the option to extend this lease thereafter for three successive periods of one year each. Said lease will be amended to include the parking facilities in the vicinity of the Drill Hall being deleted from the Navy Pier lease. The rental will be \$31,000.08 per year, an increase of \$5,760 to cover the use of the parking facilities not previously a part of this lease.

The University's planning for the construction of the Congress Circle Campus anticipates beneficial occupancy by February 1, 1965, with completion in the spring.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize the Secretary of the Board and the Vice-President and Comptroller to execute renewals of the leases for the Navy Pier facilities on the terms set forth above.

I concur.

On motion of Mr. Swain, these leases were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

**HOUSING AND HOME FINANCE AGENCY LOAN FOR CONSTRUCTION  
OF SINGLE GRADUATE RESIDENCE HALL**

(14) The Vice-President and Comptroller and the Director of the Physical Plant recommend authorization of:

An application to the Housing and Home Finance Agency for a loan not to exceed \$2,500,000 for construction of a single graduate residence hall to be located at the northwest corner of Chalmers Street and Fifth Street, Champaign, with a capacity of approximately 465 students. The estimated cost is \$2,650,000;

A revenue bond issue of \$2,650,000, with at least \$150,000 to be sold publicly and the remainder (not more than \$2,500,000) to be sold to the Housing and Home Finance Agency. Interest and principal on the revenue bonds will be provided from rental income;

Employment of Chapman and Cutler, Chicago, as counsel for the bond issue; and Advertisements for bids on the construction of the residence hall and for the sale of the bonds at times deemed most appropriate by the Vice-President and Comptroller.

I concur.

On motion of Mr. Swain, these recommendations were approved, and authority was given as requested by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

**ADDITION TO CONTRACT FOR CONSTRUCTION  
OF MEDICAL SCIENCES BUILDING**

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$13,066.51 in the contract with Oman and Giden, Inc., Northfield, for the construction of the Medical Sciences Addition to install thirty-five cup sinks and associated piping and twelve utility service enclosures in the third floor laboratories.

These items were required and shown on the preliminary drawings but were unintentionally omitted in the preparation of the contract drawings. The architects state that the amount requested for the work involved is reasonable.

Funds for this work are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Pogue, this change in contract was authorized.

**ADDITION TO CONTRACT FOR CONSTRUCTION  
OF ORCHARD DOWNS, FIRST ADDITION**

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$13,460 in the contract with Shapland Construction Company, Champaign, Illinois, for additional paving for three bicycle storage areas and paving adjacent to the entrances at the fourteen buildings in the First Addition to Orchard Downs.

Funds are available in the construction budget.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

**CONTINUATION OF ATOMIC ENERGY COMMISSION CONTRACT  
FOR RESEARCH IN ELEMENTARY PARTICLE PHYSICS**

(17) In June, 1962, the University entered into a contract with the Atomic Energy Commission to carry out research in elementary particle physics. Funds in the amount of \$871,000 have been provided to reimburse the University for all direct and indirect costs incurred during the period June 1, 1962, through September 30, 1963.

A proposal has been prepared requesting \$1,415,403 to support and expand this research project for a twelve-month period beginning October 1, 1963. Because of the substantial increase in the funds requested from the Atomic Energy Commission, the proposal must also be submitted to the Board of Higher Education for approval. The proposal has been approved by the Director of the Engineering Experiment Station, the Secretary of the University Research Board, and the Vice-President and Comptroller.

I recommend authorization of the application, subject to further action by the Board of Higher Education.

On motion of Mr. Swain, this recommendation was approved, and authority was given as requested.

**PURCHASES**

**Purchases Authorized**

(18) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

*Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furnishing of labor, material, equipment, and supervision to move two houses from 606 and 606½ South Mathews Avenue, Urbana, to 1205 West Nevada Street, Urbana	Physical Plant	Belding Engineering Co., West Chicago	\$12 340 00 f.o.b. delivered

*Purchases from Institutional Funds*

One recorder, two-channel ink-writing recording system with a sensitivity of 10 millivolts per millimeter; one strain gage preamplifier for use with the above recorder, and accessories for both instruments	Agency for International Development (India)	Brush Instruments, Division of Clevite Corp., Cleveland, Ohio	\$2 783 60 f.a.s. New York
Print 11,385 housing revenue, Illini Union, and Health Center bonds, \$1,000.00 denominations with semi-annual coupons with machine signing services	Comptroller's Office	Northern Bank Note Co., Chicago	4 438 48 f.o.b. delivered
Soil-bearing test service for Congress Circle Union Building construction	Physical Plant, Chicago	Walter H. Flood & Co., Chicago	5 000 00
Asphalt primer, type m.c.o. pa-1 asphalt, E-3 road oil, limestone aggregate and sealer, for use by the Physical Plant in the 1963 street resealing program on the Urbana campus	Physical Plant Storeroom	Tomac, Inc., Danville	7 519 00 f.o.b. delivered

On motion of Mr. Johnston, these purchases were approved.

*Purchases Recommended*

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

*Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Renewal of agreement for general purpose computer system now installed at the Undergraduate Division for period of August 15, 1963, through June 30, 1964 (Note: This purchase will be made from both Appropriated Funds, \$20,748.00, and Institutional Funds, \$840.00, for a total of \$21,588.00.)	Computer Program, Library, Chicago Undergraduate Division	International Business Machines Corp., Chicago	\$20 748 00
One lot of laboratory supplies including assorted glassware, filter paper, rubber stoppers, and chemicals; one-year supply	Pharmacy, Chicago	Chicago Apparatus Co., Chicago	4 762 43 delivered
One lot of lounge furniture, consisting of 76 chairs, three chaise lounges, one ottoman, thirteen tables, and 120 settees	Physical Plant, Medical Center	S. Buckman Furniture & Supply Co., Spring Valley	8 761 39 delivered
One controlled environmental room, of modular construction, fiberglass insulated, prewired and complete with refrigeration system having water cooled compressor; room will be used for preparation of biological material which requires lower than room temperatures	Animal Science	Hotpack Corp., Chicago	9 312 50 f.o.b. delivered
180 hog gates, panel type, and accessory materials to replace gates and fencing at the Swine Nutrition Farm	Animal Science	V.C.V. Farm Supply, Lebanon	7 044 75 f.o.b. delivered and installed
One truck, 1963 model, gross vehicle weight 23,000 pounds; V-8 engine; chassis only, less trade-in of one truck, 1951 model, model L-180 International with fold-down bed and hoist, mileage 120,000	Dixon Springs Experiment Station	International Harvester Co., Springfield	3 283 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One duplicator, magnetic recording tape, half-track, 60 inches per second, four-channel, three-duplicates, frequency response 50 to 12,000 cycles	Language Laboratory	Rawdon Smith Associates, Inc., Washington, D.C.	\$ 3 971 48 f.o.b. delivered
One metal-cutting machine, band type, hydraulically operated feed table, to be used by Physical Plant Department machine shop for maintenance work and special metal work for other departments on Urbana campus	Physical Plant	Hoffman-Marquard Machinery Co., St. Louis, Mo.	6 038 00 f.o.b. delivered
One sweeper, power, heavy duty, self-propelled with scrubbing attachment to be used by Physical Plant Department for cleaning shop areas and corridors of new Physical Plant Services Building	Physical Plant	G. H. Tennant Co., Chicago	5 014 69 f.o.b. delivered
One radial drilling machine, complete with overize table and power feed to be used by Physical Plant Department machine shop for maintenance work and special job work for other departments on the Urbana campus	Physical Plant	Miller Industrial Supply, Decatur	3 420 00 f.o.b. delivered
One shear, power squaring with six foot extension squaring gauge to be used by the Physical Plant Department tin shop on heavy gauge steel and stainless steel on various jobs for departments on the Urbana campus	Physical Plant	Balko Tool & Machine Co., Chicago	7 259 00 f.o.b. delivered
One power apron brake, bending metals of length 8 ft. 1 in., to be used by the Physical Plant Department tin shop to handle heavier gauge steels than can presently be handled in the shop	Physical Plant	Ward Machinery Co., Chicago	3 365 00 f.o.b. delivered
Services of engineer for inspection and supervision of overhaul of General Electric turbine-generators and other associated equipment at the Abbott Power Plant for the period August 1, 1963, through June 30, 1965	Physical Plant	General Electric Co., St. Louis, Mo.	7 500 00
Eighty units wood book shelf units, size 12 in. deep by 36 in. wide by 82 in. high, each unit to be complete with back and finished end panels	Physics	Standard Wood Products Corp., New York, N.Y.	6 562 50 f.o.b. delivered
Wood office furniture for faculty offices in new interior addition to the Armory: Sixty-six L-desks consisting of 60 in. by 30 in. desk and 36 in. by 18 in. L return One clerical L-desk consisting of 60 in. by 24 in. desk and 38 in. by 18 in. L return One conference desk, double pedestal, 74 in. by 38 in. One conference table, 72 in. by 34 in.	Physical Plant	Lycoming Furniture Industries, Inc., Williamsport, Pa.	12 077 62 f.o.b. delivered
Wood office chairs, upholstered, for faculty offices in new interior addition to Armory: Sixty-seven swivel chairs Seventy-two side chairs, no arms One secretarial posture chair	Physical Plant	Milwaukee Chair Co., Milwaukee, Wis.	6 287 09 f.o.b. delivered
Lounge furniture for the new office quarters and classrooms in the interior addition to the Armory: Group I Forty settee-table combination units Two sofas, upholstered One chair, fully upholstered, with arms Two tier corner tables, 34 in. by 34 in. top Group II Forty lounge chairs, upholstered	Physical Plant	S. Buckman Furniture & Supply Co., Spring Valley Group I Weger Institutional Design, Lansing, Mich. Group II	6 960 00 3 299 60 (10 259 60) f.o.b. delivered

#### *Purchases from Institutional Funds*

Publication of Chicago Undergraduate Division weekly newspaper <i>Chicago Illini</i> for the academic years 1963-64 and 1964-65; consisting of 3,600-4,500 eight-page issues and 1,200-4,500 twelve-page issues	Dean of Students, Chicago Undergraduate Division	Community Publications, Inc., Chicago	\$21 050 76 delivered
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<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One multi-channel photographic poly-graph system and accessories	Surgery, College of Medicine, Chicago	Sanborn Co., Chicago	\$10 633 00 delivered
One blood flowmeter and probe	Surgery, College of Medicine, Chicago	Medicon, Division of Quality Precision Products, Inc., Los Angeles, Calif.	3 095 00 delivered
Twelve project-o-charts	Ophthalmology, Chicago	New Era Optical Co., Chicago	3 956 20 delivered
Two vertometers	Physical Plant, Chicago	Levin Bros. Paper Corp., Chicago	4 371 20 delivered
40,000 paper trash bags	Physical Plant, Chicago, Laundry	Ipco Hospital Supply Corp., Chicago	4 118 00 delivered
200 dozen muslin sheets, 72 in. by 108 in.	Agronomy	Shabbona Lumber & Supply, Shabbona	4 357 38 f.o.b. delivered and erected
Construct 14 ft. by 26 ft. addition to house at Northern Illinois Agronomy Research Center, DeKalb, to include foundation, and all electrical, heating, and insulation work to conform to design of original building; the addition will consist of two bedrooms with closets	Animal Science	Madison Silos, Division of Martin Marietta Corp., El Paso	3 390 00 f.o.b. delivered and erected
Two silos, size 12 ft. by 35 ft., including foundation and concrete floor to be furnished and erected at Urbana	Institute of Aviation	Hughes Oil Co., Champaign	6 384 00 f.o.b. delivered
70,000 gallons (approximately) standard, commercial, no. 5 fuel oil, to be furnished as required for heating the Terminal Building at University of Illinois-Willard Airport during the period July 1, 1963, through June 30, 1965	Botany	Better Built Machinery Corp., New York, N.Y.	4 650 00 f.o.b. delivered
One laboratory glassware washer, fully automatic with spindle headers which direct a high speed jet water stream into the glassware	Chemistry and Chemical Engineering	Perkin-Elmer Corp., La Grange	5 265 00 f.o.b. delivered
One spectrophotometer, automatic, double beam, ultraviolet, with ranges: UV 190-390MU and visible 350-750MU, auxiliary readout system, repetitive scanning accessory, and temperature controlled cell mount	Chemistry and Chemical Engineering	Picker X-Ray Corp., Chicago	3 172 00 f.o.b. delivered
One integrating x-ray goniometer	Chemistry and Chemical Engineering	Pantagraph Printing & Stationery Co., Bloomington	4 146 85 f.o.b. delivered
One straumanis film cassette	Coordinated Science Laboratory	Raytheon Co., Franklin Park	5 625 00 f.o.b. delivered
One clamp for multiple films	Digital Computer Laboratory	American Pamcor, Inc., St. Louis, Mo.	2 804 40 f.o.b. delivered
Print and bind 3,000 copies of <i>Department of Chemistry and Chemical Engineering History 1951-61</i> , approximately 144 pages per copy, trim size 8½ in. by 11 in.	Digital Computer Laboratory	IBM Corp., Springfield	3 793 50 f.o.b. delivered
Five storage tubes, recording, electrical readout, resolution 1,000 lines minimum, capable of repeating stored information	Office of Educational Testing	Measurement Research Center, Inc., Iowa City, Iowa	8 760 00 f.o.b. delivered and installed
60,000 taper pins	Electrical Engineering	Illinois Power Co., Danville	10 923 00 f.o.b. delivered and installed
Six cables, coaxial, 20 wire, each 175 ft. long, to be used to complete a hookup of the IBM 7094 computer in the Digital Computer Laboratory with the film measuring projectors in use in physics research programs			
Scoring service for approximately 73,000 special answer sheets used in testing program of the Bureau of Educational Research			
Installation of three-phase electrical power at Bondville Road Field Station of the Department of Electrical Engineering to include the following: Extension of three-phase service to the field station from a location approximately four miles north			
75 KVA self-regulating transformers as required			
25 KVA step-up bank at the proposed site			
25 KVA step-down at the present site			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot laboratory equipment and apparatus including twenty-four balances, twelve transformers, seven cases plastic bottles, and 432 pieces of assorted plastic laboratory apparatus; estimated to be a three-month supply	General Chemical Stores	E. H. Sargent & Co., Chicago	\$ 7 800 00 f.o.b. delivered
One recording microphotometer for the determination of optical density of photographic plates, to be used in a research program in the Department of Physics under a contract with the Atomic Energy Commission	Physics	National Spectrographic Laboratories, Inc., Cleveland, Ohio	8 225 00 f.o.b. delivered
One testing machine, universal tension and compression for the study of anharmonic defects in crystals	Physics	Labquip Corp., Chicago	8 100 00 f.o.b. delivered
Thirty-six electronics laboratory tables, 72 in. by 36 in. by 38 in. high, wood, with 12 in. deep shelf above top and full depth shelf below	Physics	Walrus Manufacturing Co., Decatur	5 799 00 f.o.b. delivered
Twelve general physics laboratory tables, 72 in. by 36 in. by 38 in. high, wood, no shelves			
One potentiometer, six-dial, microvolt, ranges 0 to 111.111.0 in steps of 0.1 microvolt, and 0-11.111.10 in steps of 0.01 microvolt	Physics	Minneapolis-Honeywell Regulator Co., Harvey	5 300 00 f.o.b. delivered
One galvanometer, photoelectric, thermal emf 0.003 microvolt or less			
Film badge service for the period July 1, 1963, through June 30, 1965, for determination of exposure to radioactive materials, to all personnel so involved, under the direction and authority of the University Health Physicist as follows: 200 beta-gamma film badges every two weeks 20 beta-gamma film badges every week for nine months (September 15-June 15) 5 beta-gamma finger (ring) badges every two weeks 55 neutron-beta-gamma film badges every two weeks	Physics	Volk Radiochemical Co., Skokie	7 724 60 f.o.b. delivered
One analyzer, single channel, one seven-decade electromechanical scaler and power supplies, comprising a solid state modular nuclear counting system for use in the teaching laboratory in Stage II of the new Physics Building	Physics	Radiation Instrument Development Laboratory, Melrose Park	3 960 00 f.o.b. delivered
One recording system, ink-rectilinear, four-channel, wired for eight-channel, complete with power supplies, amplifiers, ink system, and couplers	Physiology and Biophysics	Offner Division of Beckman Instruments, Inc., c/o Pivan Engineering Co., Chicago	6 270 00 f.o.b. Schiller Park
One centrifuge with eight positions, portable, refrigerated, including trunnion carrier, metal shield and conical head, to be used in research projects in the Department of Physiology and Biophysics	Physiology and Biophysics	Aloe Scientific Division of Brunswick Corp., St. Louis, Mo.	2 560 00 f.o.b. delivered
One recording assembly, ink rectilinear, six-channel, wired for eight, high gain, including all required power supplies, amplifiers, pens, ink system, racks and enclosures, and couplers, and one year's maintenance, including installation	Psychology	Beckman Instruments, Inc., Palo Alto, Calif.	8 335 75 f.o.b. delivered
Storage building, 20 ft. by 50 ft., to be constructed at the Veterinary Research Farm, South Race Street, Urbana, complete with concrete foundation and floor, lumber rigid frame design, plywood exterior, eight windows and two overhead doors	Veterinary Medicine	Alexander Lumber Co., Champaign	2 874 93 f.o.b. delivered and erected
1,400 pairs shoes, dress, low quarter, black, Air Force regulation 2,520 pairs socks, cotton, black, stretch, Air Force regulation	Purchasing and Military Property Custodian	Clothing Sales Store, Chanute Air Force Base, Illinois	9 231 60 f.o.b. Chanute Air Force Base



Item	Department	Vendor	Cost
Print and bind 2,500 copies of <i>British Politics in the Suez Crisis</i> , by Leon Epstein, approximately 224 pages per copy, trim size 6 in. by 9 in.	University Press	Rogers Printing Co., Chicago	\$ 3 540 00 f.o.b. delivered
Print and bind 2,500 copies <i>High School Mathematics</i> , Units 1-4, Teachers' Edition, approximately 757 pages per copy, printed on one side only, trim size 8½ in. by 11 in.	University Press	Edwards Brothers, Inc., Ann Arbor, Mich.	8 277 00 f.o.b. delivered
Print and bind 12,000 copies <i>High School Mathematics</i> , Unit 6, Students' Edition, approximately 458 pages per copy, trim size 8½ in. by 11 in.	University Press	George Banta Co., Chicago	8 329 97 f.o.b. Menasha, Wis.
Print and bind 10,000 copies of <i>High School Mathematics</i> , Unit 7, Students' Edition, approximately 168 pages per copy, trim size 8½ in. by 11 in.	University Press	George Banta Co., Chicago	3 498 00 f.o.b. Menasha, Wis.
Print and bind 11,000 copies <i>High School Mathematics</i> , Unit 8, Students' Edition, approximately 264 pages per copy, trim size 8½ in. by 11 in.	University Press	George Banta Co., Chicago	5 651 00 f.o.b. delivered
Print and bind 5,000 copies <i>High School Mathematics</i> , Unit 9, Students' Edition, approximately 388 pages per copy, trim size 8½ in. by 11 in.	University Press	George Banta Co., Chicago	3 427 00 f.o.b. delivered
Forty-six films, movie, 16 mm., miscellaneous, color and black and white, less return of old editions and damaged prints	Visual Aids Service	Encyclopaedia Britannica Films, Inc., Wilmette	3 780 00 f.o.b. Wilmette
Ninety-six films, 16 mm., miscellaneous, color and black and white, less ninety-six old editions and damaged prints returned	Visual Aids Service	Coronet Films, Chicago	6 777 50 f.o.b. delivered
Motion picture production equipment including camera, shutter, galvanometer and optical system, sound track recording amplifier, lamps, wind screen, cables and connectors, film magazines, carrying trunk, zoom lens, microphones, changing bag, tripods, carrying case, light meter, blooming tape, sound reader, and portable auto power supply unit	Agricultural Administration, Extension	Behrend's, Inc., Chicago	3 903 08 f.o.b. delivered
One floor machine, self-propelled, to be used for cleaning of concrete concourse of Assembly Hall as well as walkways, aisles of the arena, and the arena floor	Assembly Hall	Bush Brothers, Inc., Champaign	4 018 00 f.o.b. delivered
Two each spotlights, carbon arc, complete with lamp housing, lens mechanism, and base, capable of projecting light with a color temperature of 5700° Kelvin and a luminosity of 13,000 lumens, to be operated from the perimeter of the Assembly Hall and when high intensity, small diameter spots of light are required on performances in the center area of the hall	Assembly Hall	Grand Stage Lighting Co., Chicago	3 580 00 f.o.b. Toledo, Ohio
300 dozen bowls, salad, 7½ in. in diameter, 2 in. deep, approximate weight 12 pounds per dozen, for general use in the Housing Division food centers	Housing Division	E. A. Hinrichs & Co., Chicago	2 613 00 f.o.b. delivered
Fifteen planting boxes, special	Housing Division	Brewer Woodwork, Urbana	5 550 00 f.o.b. delivered
Doors, folding, woven of Northern bass wood slats as follows: 252 pairs for openings 9 ft. 4 in. by 7 ft. 7 in. 126 pairs for openings 8 ft. 8 in. by 7 ft. 7 in.	Housing Division	Harlan E. Moore & Co., Champaign	10 502 10 f.o.b. delivered
Six rugs, all wool, Chinese fret design, colors to be selected, as follows: three 8 ft. by 18 ft.; two 8 ft. by 29 ft.; one 8 ft. by 22 ft.	Illini Union	Sacketts Furniture Store, Champaign	2 885 00 f.o.b. delivered
225 folding leg tables, 72 in. long by 32 in. wide by 29 in. high, with plastic laminate top, to be used in the new addition to the Illini Union	Illini Union	Rochelle's, Inc., Chicago	6 525 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Three cash registers equipped to have the following required features: re-inking device, solenoid key operation, cork lined cabinet, locked up group totals, tear off receipt, visible detail strip showing last ten transactions, seven accumulating totals, 999.99 keyboard, receipt and detail strip, automatic change feature with dispenser and grand total to be controlled by separate key	Illini Union Bookstore	The National Cash Register Co., Danville	\$ 7 650 45 f.o.b. delivered
248 storage cabinets, 18 in. deep	Office Supply Storeroom	All Steel Equipment, Inc., Aurora	9 659 11 f.o.b. delivered
Thirty storage cabinets, 24 in. deep			
Six wardrobe cabinets, 18 in. deep			
Nine wardrobe cabinets, 24 in. deep			
Approximately 200 tons 50 per cent sodium hydroxide commercial grade	Physical Plant	Acid Products Co., Inc., Decatur	17 496 00 f.o.b. delivered
Approximately 160 tons sulphuric acid, 66%, electrolytic grade			
The above quantities are an estimated two-year supply and orders will be placed during this period in amounts as required for water treatment operation at the Abbott Power Plant			
Automotive and industrial lubricants as required by the Physical Plant Storeroom during the two-year period from July, 1963, through June, 1965	Physical Plant	Russell Stewart Oil Co., Urbana	9 158 47 f.o.b. delivered
6,600 pounds grass seed for use in seeding new lawns during the fall of 1963	Physical Plant Storeroom	Kahn Brothers Co., Chicago	3 870 90 f.o.b. delivered
6,000 diodes, type TI-255	Digital Computer Laboratory	Deeco, Inc., Cedar Rapids, Iowa	4 351 20 f.o.b. delivered
235 mattresses, innerspring 4/6, full size	Housing Division	Sealy Mattress Co., Chicago	9 047 50 delivered
235 box springs to fit above mattresses			
For use in the new housing units in Orchard Downs Addition			
Eighty-four sets bowling pins, plastic coated, ABC approved, to be used in Illini Union bowling lanes; guaranteed usage of 5,000 lines per set	Illini Union	Brunswick Corp., Hinsdale	3 356 64 f.o.b. delivered
Steel office chairs as follows:	Office Supply Storeroom	Milwaukee Metal Furniture Co., Chicago	28 698 12 f.o.b. delivered
341 swivel arm chairs, upholstered			
Sixty swivel chairs, no arms, upholstered			
246 side arm chairs, upholstered			
444 side chairs, no arms, upholstered			
272 typist posture swivel chairs, upholstered			
40,000 sheets Verifax Matrix	Office Supply Storeroom	Jefferson Stationers, Inc., Springfield	2 844 00 f.o.b. delivered
Ninety-six cartons Verifax activator			
Four film inspection machines, 16 mm., double unit, stacked, variable speed, capacity of 400 to 2,000 feet per each	Visual Aids Service	Paulmar, Inc., Chicago	9 261 00 f.o.b. delivered and installed
16 mm. film reel			
(Note: This purchase will be made from both Appropriated Funds, \$9,261.00, and Institutional Funds, \$9,261.00, for a total of \$18,522.00.)			
240 parking meters, sealed, single-cylinder type collection system, to be furnished and installed in various parking areas about the Urbana campus, with an option to purchase, as required, an additional quantity up to 300 during the period ending June 30, 1964	Physical Plant	Duncan Parking Meter, Division of Nautech Corp., Chicago	14 052 60 f.o.b. delivered and installed

On motion of Mr. Johnston, these purchases were authorized.

#### COMPTROLLER'S REPORT OF CONTRACTS

(19) The Comptroller's report of contracts executed during the period July 1 to 31, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
National Sand and Gravel Association	Site development problems related to sand and gravel pit operations re-use	\$ 6 000 00	September 1, 1963

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Air Force AF-AFOSR-460-63	Theory of functions of a complex variable	\$ 25 263 08	June 1, 1963
United States Air Force AF 29(601)-6101	Fabrication and installation of 4-ft. diameter dynamic gas loading facility	205 000 00	July 1, 1963
United States Army DA-11-032-CIVENG-63-56	Course of instruction in water resources planning	60 341 00	June 17, 1963
United States Army DA-18-108-AMC-108-(A) (sub-contract with FMC Corp.)	Compounds to be synthesized and/or evaluated and biological evaluation techniques	27 500 00	March 20, 1963
United States Atomic Energy Commission AT(11-1)-1302	Wholesomeness evaluation of radiation sterilized food products	143 933 00	June 1, 1963
United States Atomic Energy Commission AT(29-1)-789 (sub-contract with Sandia Corp.)	Determine the coefficient of friction for pairs of 17-4 ph stainless steel, 20 degrees involute spur gears of 96 pitch, 96 teeth in each gear	37 027 00	May 15, 1963
United States Department of Agriculture 12-04-100-28	Appraise farmers' group or pool buying of feed ingredients in selected localities in Illinois	4 150 00	June 27, 1963
United States Department of Agriculture 12-14-100-7150(72)	Chemical investigations of cyclopropenoids to develop means of eliminating or physiologically inactivating the cyclopropenoids in cottonseed products	45 737 00	June 26, 1963
United States Department of Health, Education, and Welfare OE-3-16-028	Survey of the development and use of television recorded materials, films, and other simulated materials for application to teacher education in extending professional laboratory experiences	9 095 00	June 25, 1963
United States Department of Health, Education, and Welfare PH-86-63-144	Conduct a demonstration program for the early detection of oral malignancies	30 000 00	May 1, 1963
United States Federal Housing Administration HA (.....)fh-872	Factors that influence the quality of site design of multifamily housing projects and investigation of single-family housing	21 850 00	June 19, 1963
United States Office of Civil Defense OCD-OS-63-66	Gamma ray penetration of various structural geometries	66 527 00	June 7, 1963
United States Office of Civil Defense OCD-OS-63-128	Conduct civil defense training and conferences and courses through extension	57 390 00	June 12, 1963
United States Navy Nonr(G)-00062-63	Acquisition of a Bendix LP-12 printer	14 900 00	June 19, 1963
<b>Total</b>		<b>\$754 713 08</b>	

## Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Business Machines Corp.	One keypunch	\$ 604 80	June 5, 1963
LaSalle-Madison Hotel Co. (Renewal)	Rental of east portion, twentieth floor, LaSalle Hotel, Chicago, from July 1, 1963, to June 30, 1965, for use by Illini Center	21 600 00 (\$900.00 per month)	July 1, 1963
Missouri Avenue Realty Co. (Renewal)	Rental of room 212, 338 Missouri Avenue, East St. Louis, from July 1, 1963, to June 30, 1965, for use by Extension Division	1 020 00 (\$42.50 per month)	July 1, 1963
188 Randolph Building Corp. (Renewal)	Rental of suite 301-03, 188 Randolph Tower, Chicago, from July 1, 1963, to June 30, 1965, for use by Agricultural Extension Division	9 000 00 (\$375.00 per month)	July 1, 1963
Sangamon Home Savings Association (Renewal)	Rental of property at 400 South Grand Avenue, West, Springfield, from July 1, 1963, to June 30, 1965, for use by Extension Division	1 440 00 (\$60.00 per month)	July 1, 1963
<b>Total</b>		<b>\$33 664 80</b>	

## Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Isotopes, Inc. (sub-contract under Atomic Energy Commission (11-1)-1199)	Study of rainout of radioactivity in Illinois	\$27 930 00	June 14, 1963
Texas Technological College (sub-contract under United States Navy Nonr 1834(02))	Development of radio wave direction-finding techniques	13 152 00	May 27, 1963
<b>Total</b>		<b>\$ 41 082 00</b>	

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
American Cyanamid Co.	Insecticides for control of insects on wheat	\$ 1 500 00	June 3, 1963
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.	Safety with high temperature water systems	6 300 00	June 20, 1963
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.	Selection and application of air-measuring devices	7 400 00	June 20, 1963
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.	Steam and condensate flow in pipes	8 200 00	June 20, 1963
National Aeronautics and Space Administration NSG-242-62	Thermal contact resistance in a vacuum environment	30 010 00	June 1, 1963
National Lime Association	Extend the use of lime minerals into new fields and continue research in lime stabilization of soils	21 762 50	July 10, 1963
State of Illinois Department of Conservation	Fisheries research	32 500 00	June 11, 1963
State of Illinois Department of Conservation	Wildlife studies	100 439 00	June 24, 1963
United States Air Force AF 41(609)-1481	Determinants of monitoring behavior in complex tasks	20 500 00	May 1, 1963
United States Army DA-ARO(D)-31-124-G366	Influence of ionic aggregation on rates and products of several reactions	7 687 20	June 12, 1963
United States Atomic Energy Commission AT (11-1)-415	Unclassified research on electronic high-speed digital computers	50 000 00	June 15, 1963
United States Atomic Energy Commission AT (11-1)-758	Basic research relating to atomic energy	23 181 00	June 15, 1963
United States Atomic Energy Commission AT (11-1)-791	Effect of X-ray irradiation on enzymatic activity and nucleic acid metabolism in seeds and seedlings of zea mays	25 000 00	June 10, 1963
United States Atomic Energy Commission AT (11-4)-891	Chemical reactions of energetic atoms produced by nuclear recoil or by heterogeneous flash photolysis	22 000 00	June 15, 1963
United States Department of Health, Education, and Welfare OE-3-12-064	Counseling and guidance training institute	750 00	June 5, 1963
<b>Total</b>		<b>\$357 229 70</b>	

## Adjustments Made in 1962-63 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Six items: \$25.00 to \$600.00	\$ 1 792 06	June, 1963

## Summary

Amount to be paid to the University	\$1 111 942 78
Amount to be paid by the University	\$ 76 538 86

This report was received for record.

**REPORT OF THE FINANCE COMMITTEE ON THE TREASURER'S BOND**

(20) The Finance Committee reports that it has received from Robert R. Manchester, Treasurer of the University, a bond in the amount of \$6,000,000 with the Continental Casualty Company as surety.

The bond has been approved by the Legal Counsel of the University and by the Business Office. The Finance Committee has accepted the bond and reports its receipt for record.

On motion of Mr. Williamson, the action of the Committee was confirmed.

**INVESTMENT REPORT****Report of the Finance Committee**

(21) The Finance Committee reported the following changes in investments of endowment funds for the months of February, March, April, and May, 1963:

**Endowment Pool**

<b>Sale</b>				
240 shares	Ingersoll Rand common			\$ 16 990 22
<b>Exchange</b>				
\$ 100 000	U. S. Treasury bonds	3 per cent	2/15/64 and	
85 000	U. S. Treasury bonds	2½	8/15/63 for	
185 000	U. S. Treasury bonds	3½	11/15/71	
100 000	U. S. Treasury bonds	3	8/15/66 and	
30 000	U. S. Treasury notes	3½	11/15/65 for	
130 000	U. S. Treasury bonds	4	2/15/80	
<b>Purchase</b>				
500 shares	Goodyear Tire and Rubber common			\$ 16 702 62
90/100 share	Standard Oil Company of California common			58 19
\$ 25 500	U. S. Treasury bonds	4 per cent	8/15/72	25 653 28

**Ceramic Engineering**

<b>Sale</b>				
500 shares	Avnet Electronics Corporation common			\$ 10 211 91

**Dennis Children**

<b>Exchange</b>				
\$ 2 000	U. S. Treasury certificates	3¼ per cent	5/15/63 for	
2 000	U. S. Treasury certificates	3¼	5/15/64	

**Miller**

<b>Sale</b>				
500 rights	Consolidated Edison Company			\$ 187 42
30/100 share	Standard Oil Company of California common			20 04
29/50 share	International Paper common			16 45

**Wallace**

<b>Exchange</b>				
\$ 6 500	U. S. Treasury bonds	2½ per cent	8/15/63 for	
6 500	U. S. Treasury bonds	4	2/15/80	

**Chicago — Pharmacy Scholarship**

<b>Sale</b>				
10 shares	Jewel Tea Company common			\$ 496 40

**Report of the Comptroller**

The Comptroller reported the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

**Current Funds****Restricted Group (June 20, 1962)**

<b>Sale</b>				
\$1 000 000	U. S. Treasury certificates	3½ per cent	8/15/63	\$1 011 487 84
500 000	U. S. Treasury certificates	3¼	5/15/63	500 546 88

<b>Exchange</b>			
\$ 500 000	U. S. Treasury certificates	3½	2/15/63 for
500 000	U. S. Treasury certificates	3¼	2/15/64
<b>Purchase</b>			
\$1 500 000	U. S. Treasury bills	2/28/63	\$1 497 537 22
200 000	U. S. Treasury bills	3/14/63	199 768 33
1 000 000	U. S. Treasury bills	3/28/63	996 200 00
500 000	General Electric Credit Corporation	9/13/63	491 062 50
1 000 000	U. S. Treasury bills	5/2/63	998 210 42
1 000 000	U. S. Treasury bills	5/31/63	996 345 56
500 000	U. S. Treasury bills	6/20/63	497 963 33
500 000	Beneficial Finance Company	10/30/63	491 559 03
500 000	General Motors Acceptance Corp.	10/30/63	491 468 75
1 400 000	U. S. Treasury bills	8/1/63	1 390 526 50
<b>Construction Funds</b>			
<b>Assembly Hall (June 23, 1959, and March 17, 1962)</b>			
<b>Purchase</b>			
\$ 515 000	U. S. Treasury bills	3/14/63	\$514 161 87
265 000	U. S. Treasury bills	4/15/63	263 753 54
537 000	U. S. Treasury bills	5/16/63	534 391 97
450 000	U. S. Treasury bills	6/13/63	448 012 00
400 000	U. S. Treasury bills	7/15/63	398 138 22
60 000	U. S. Treasury bills	8/15/63	59 642 30
<b>Illini Union and Health Center (December 21, 1960)</b>			
<b>Purchase</b>			
\$ 290 000	U. S. Treasury bills	5/16/63	\$287 890 25
100 000	U. S. Treasury bills	6/13/63	99 287 50
135 000	U. S. Treasury bills	7/15/63	134 056 20
300 000	U. S. Treasury bills	8/15/63	297 928 83
55 000	U. S. Treasury bills	9/12/63	54 544 80
<b>Illinois Street Residence Halls (October 17, 1962)</b>			
<b>Sale</b>			
\$ 10 000	U. S. Treasury bills	2/14/63	\$ 9 991 81
170 000	U. S. Treasury bills	5/16/63	169 894 22
<b>Purchase</b>			
\$ 248 000	U. S. Treasury bills	9/12/63	\$344 330 21
50 000	U. S. Treasury bills	9/19/63	49 424 11
<b>Orchard Downs and SG-2 (June 14, 1960)</b>			
<b>Sale</b>			
\$ 13 000	U. S. Treasury bills	3/21/63	\$ 12 954 66
1 000	U. S. Treasury bills	5/16/63	998 21
<b>Purchase</b>			
\$ 120 000	U. S. Treasury bills	4/18/63	\$119 742 40
120 000	U. S. Treasury bills	5/16/63	119 468 00
139 000	U. S. Treasury bills	6/13/63	138 385 93
120 000	U. S. Treasury bills	7/15/63	119 483 00
<b>Orchard Downs Addition (May 24, 1962)</b>			
<b>Sale</b>			
\$ 180 000	U. S. Treasury notes	3¼ per cent 2/15/63	\$180 281 25
300 000	U. S. Treasury notes	3¼ 5/15/63	300 421 88
<b>Purchase</b>			
\$ 179 000	U. S. Treasury bills	2/14/63	\$178 860 78
134 000	U. S. Treasury bills	3/14/63	133 722 62
10 000	U. S. Treasury bills	4/15/63	9 965 00
75 000	U. S. Treasury bills	5/16/63	74 926 06
146 000	U. S. Treasury bills	6/13/63	145 150 93
225 000	U. S. Treasury bills	7/18/63	223 641 50

## Peabody Drive (October 21, 1959)

## Purchase

\$ 84 000	U. S. Treasury bills	4/15/63	\$ 83 604 90
90 000	U. S. Treasury bills	4/18/63	89 766 25
71 000	U. S. Treasury bills	5/16/63	70 666 14
238 000	U. S. Treasury bills	6/24/63	237 361 37

## Pennsylvania Avenue Residence Halls (June 21, 1961)

## Sale

\$ 115 000	U. S. Treasury bills	2/21/63	\$114 926 66
200 000	U. S. Treasury bills	3/7/63	199 652 89

## Purchase

\$ 130 000	U. S. Treasury bills	4/15/63	\$129 419 62
105 000	U. S. Treasury bills	5/16/63	104 462 95
43 000	U. S. Treasury bills	6/13/63	42 767 56
130 000	U. S. Treasury bills	7/15/63	129 103 87
105 000	U. S. Treasury bills	8/15/63	104 280 11

## Student Services (May 17, 1961)

## Purchase

\$ 70 000	U. S. Treasury bills	3/14/63	\$ 69 871 67
12 000	U. S. Treasury bills	4/15/63	11 958 15
50 000	U. S. Treasury bills	4/18/63	49 869 67
15 000	U. S. Treasury bills	5/16/63	14 951 88
67 000	U. S. Treasury bills	6/13/63	66 705 05

## Chicago — Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953)

## Purchase

\$ 200 000	U. S. Treasury bills	7/18/63	\$198 526 00
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*Sinking Funds*

## Housing Revenue Bonds (December 17, 1958; June 23 and October 21, 1959; June 14, 1960; June 21, 1961; and May 24 and October 17, 1962)

## Sale

\$ 39 000	U. S. Treasury bills	8/22/63	\$ 38 531 83
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## Purchase

\$ 450 000	U. S. Treasury bills	3/21/63	\$448 957 50
14 000	U. S. Treasury bills	8/15/63	13 807 15
599 000	U. S. Treasury bills	8/22/63	590 536 80

## Illini Union and Health Center (December 21, 1960)

## Purchase

\$ 144 000	U. S. Treasury bills	3/21/63	\$143 810 96
160 000	U. S. Treasury bills	8/29/63	157 689 96

## Men's Residence Halls of 1956 (March 23 and September 18, 1956)

## Purchase

\$ 3 000	U. S. Treasury certificates	3¼ per cent 2/15/64	\$ 3 013 54
14 000	U. S. Treasury bills	3/21/63	13 967 57

## Men's Residence Halls of 1957 (March 12, 1957, and November 18, 1959)

## Purchase

\$ 218 000	U. S. Treasury bills	3/21/63	\$217 491 33
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## Student Services (May 17, 1961)

## Purchase

\$ 26 000	U. S. Treasury bills	3/21/63	\$ 25 959 01
11 000	U. S. Treasury bills	8/22/63	10 854 26

## Women's Residence Halls of 1956 (September 18, 1956, and February 15, 1961)

## Purchase

\$ 36 000	U. S. Treasury bills	3/21/63	\$ 35 916 60
5 000	U. S. Treasury notes	3¾ per cent 8/15/64	5 050 00

## Chicago — Dentistry-Medicine-Pharmacy Reserve (December 16, 1953)

## Exchange

\$ 197 000	U. S. Treasury notes	3½ per cent 2/15/66 for	
197 000	U. S. Treasury bonds	4 2/15/80	

Purchase					
\$ 4 000	U. S. Treasury bonds	4 per cent	8/15/72	\$ 4 037 50	
2 000	U. S. Treasury bonds	4	2/15/80	1 991 25	

### Report of the Finance Committee

The Finance Committee reported the following changes in investments of endowment funds for the month of June, 1963:

#### *Endowment Pool*

Purchase					
\$ 66 500	U. S. Treasury bonds	4 per cent	8/15/72	\$ 66 645 47	

#### *Cole Living Trust*

Purchase					
\$ 2 000	State of California bonds	3 per cent	11/1/85	\$ 1 920 90	

#### *Garner*

Purchase					
90/100 share	Dow Chemical Company common			\$ 59 36	

#### *Goldstine*

Purchase					
7 shares	Walgreen Company common			\$ 307 13	

#### *Wallace*

Purchase					
\$ 500	U. S. Treasury bonds	4 per cent	2/15/80	\$ 500 03	

### Report of the Comptroller

The Comptroller reported the following changes in investments of current and un-expended plant funds, over which he has authority as indicated:

#### *Current Funds*

##### Restricted Group (June 20, 1962)

Purchase					
\$1 000 000	U. S. Treasury bills		6/27/63	\$998 977 22	
500 000	U. S. Treasury bills		8/15/63	497 418 75	
400 000	Sears Roebuck Acceptance Corporation		12/11/63	393 250 00	
500 000	Household Finance Corporation		12/30/63	491 468 75	
500 000	Ford Motor Credit Corporation		12/30/63	491 468 75	

##### Executive Development Center Building (June 20, 1962)

Purchase					
\$ 10 000	U. S. Treasury bonds	3¾ per cent	8/15/68	\$ 9 993 75	

#### *Construction Funds*

##### Assembly Hall (June 23, 1959, and March 17, 1962)

Purchase					
\$ 390 000	U. S. Treasury bills		8/15/63	\$388 114 46	
189 000	U. S. Treasury bills		9/12/63	187 873 24	

##### Illini Union and Health Center (December 21, 1960)

Purchase					
\$ 75 000	U. S. Treasury bills		9/12/63	\$ 74 461 69	

##### Illinois Street Residence Halls (October 17, 1962)

Purchase					
\$ 120 000	U. S. Treasury bills		10/15/63	\$118 927 09	

##### Orchard Downs and SG-2 (June 14, 1960)

Purchase					
\$ 139 000	U. S. Treasury bills		8/15/63	\$138 332 53	
65 000	U. S. Treasury bills		9/12/63	64 611 17	

##### Orchard Downs Addition (May 24, 1962)

Purchase					
\$ 43 000	U. S. Treasury bills		9/12/63	\$ 42 691 37	

##### Pennsylvania Avenue Residence Halls (June 21, 1961)

Purchase					
\$ 39 000	U. S. Treasury bills		9/19/63	\$ 38 706 72	



**Student Services (May 17, 1961)****Purchase**

\$ 50 000	U. S. Treasury bills	7/18/63	\$ 49 877 29
30 000	U. S. Treasury bills	8/15/63	29 857 42

On motion of Mr. Swain, the actions of the Committee were confirmed.

**DEANSHIP OF COLLEGE OF ENGINEERING,  
CHICAGO UNDERGRADUATE DIVISION**

(22) The Vice-President for the Chicago Undergraduate Division recommends the appointment of Dr. Robert B. Banks, presently Director of Research and Professor of Engineering at the Southeast Asia Treaty Organization Graduate School of Engineering, Bangkok, Thailand, as Professor of Fluid Mechanics on indefinite tenure and Dean of the College of Engineering for two years, beginning September 1, 1963, at an annual salary rate of \$21,000, on a twelve-month service basis.

This appointment is within the new organizational framework of the University of Illinois at Congress Circle authorized by the Board of Trustees on January 18 and February 15, 1961. Associate Professor Rupert M. Price of the Department of Physics has been serving as Acting Dean and will continue to serve until September 1.

This recommendation was submitted after consultation with the Academic Advisory Council at the Chicago Undergraduate Division, and with the Dean and several department heads of the College of Engineering at Urbana-Champaign. It is concurred in by the Executive Vice-President and Provost and the Dean of the Graduate College.

On behalf of the President of the University, I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

**UNIT VENTILATORS FOR CLASSROOM COMPLEX BUILDING  
AT CONGRESS CIRCLE**

Mr. Pogue, for the Committee on Buildings and Grounds, presented the following report:

At the meeting of the Board of Trustees on May 15, 1963, when contracts for construction of Congress Circle were being awarded, a representative of a manufacturer of unit ventilators inquired why an alternate bid on the heating, piping, refrigeration, and automatic temperature control installations in the construction of the Classroom Complex Building at Congress Circle was not accepted since the alternate provided for a reduction in price. It is a standard practice to include alternates in bid documents as a safeguard in case base bids are in excess of engineering estimates of cost of the preferred type of equipment and construction, and the University reserves the right to accept or reject the alternates. Since bids on construction of Congress Circle in all cases were well within estimates, it was not necessary to select alternates on the basis of cost savings alone.

Officials of the company whose representative had raised the question requested a hearing. The Committee on Buildings and Grounds held a hearing on July 1, 1963, attended by representatives of the manufacturers concerned and Skidmore, Owings, and Merrill, Architects and Engineers, all of whom addressed the meeting. Examples of the unit ventilators were available for inspection.

After giving due consideration to the presentations made at this hearing, the Committee concluded that, due to the special conditions and requirements of the Classroom Complex Building, no changes should be made in the contract with respect to unit ventilators as awarded by the Board of Trustees on May 15, 1963.

On motion of Mr. Johnston, this report was accepted by the Board, without dissent.

**LETTER FROM THE PRESIDENT OF THE UNITED STATES**

President Clement presented a letter he received from President John F. Kennedy concerning the civil rights problem faced by this Nation —

and with special reference to equal educational opportunities and equal opportunities for employment—with the request that the letter be discussed with Mr. Clement's colleagues on the Board. Copies of President Kennedy's letter and of Mr. Clement's reply had been sent to all Trustees in advance of today's meeting, and copies have been filed with the Secretary of the Board.

The subject of the letter was discussed and University policies relating thereto were discussed.

#### HULL HOUSE RESTORATION

President Clement announced that Major Lenox R. Lohr, President of the Museum of Science and Industry and Chairman of the University of Illinois Citizens Committee, has accepted the post of General Chairman of the Jane Addams Memorial Fund of the University of Illinois campaign for the restoration of Hull House. Mr. C. E. Flynn reported informally on the status of the fund-raising campaign.

#### MEDICAL CENTER UNION

Dr. Joseph S. Begando made an informal report on the status of the campaign for funds for the Medical Center Union Building. He announced that Mr. Donald R. Grimes of the Class of 1928, and President of the Independent Grocers Alliance, has accepted the post of Chairman of the Committee to raise funds for this building.

#### FUTURE BOARD MEETINGS

President Clement announced that the next regular meeting will be held on Wednesday, September 18, 1963, in Urbana, at a place and according to a schedule to be arranged by him and the Secretary of the Board.

On motion of Mr. Williamson, the Board voted to change the date of the regular October meeting from the third Wednesday to Saturday, October 26, 1963, to be held in Urbana.

Consideration was also given to changing the date of the regular November meeting from the third Wednesday. It was the consensus of the Trustees that Tuesday, November 26, 1963, be tentatively reserved for that meeting, subject to a final decision later.

#### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, cancellations, declinations, and termination; leaves of absence; changes in sabbatical leaves of absence; cancellation of sabbatical leaves of absence.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

ABBASI, ABDUL SATTAR, Research Assistant in Pediatrics (Medicine), one year from July 1, 1963, \$6,000 (7-5-63).

ANDERSEN, SAYRE D., Assistant in English, nine months from September 16, 1963, \$4,600 (7-1-63).

ARMSTRONG, BEULAH M., Associate Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$1,956 for the period (7-1-63).

BAILEY, WILLIAM E., Assistant in Dermatology (Medicine), six months from July 1, 1963, \$429.17 a month (6-24-63).

- BALMAIN, KEITH G., Research Associate in Electrical Engineering (S), two months from July 1, 1963, \$875 a month, supersedes (6-24-63).
- BARKLEY, MRS. CLARE E., Assistant in the Division of General Studies, nine months from September 16, 1963, \$4,200 (7-5-63).
- BATTEN, GEORGE W., JR., Research Associate in the Digital Computer Laboratory, academic year beginning September 1, 1963, \$6,500 (7-1-63).
- BENNEMANN, KARL-HEINZ, Research Associate in Physics (C), one year from September 1, 1963, \$8,000 (6-24-63).
- BERLANDE, JACQUES, Visiting Research Associate in Electrical Engineering (S), one year from September 1, 1963, \$7,200 (7-5-63).
- BIALECKE, EDWARD, Research Associate in Electrical Engineering (S), two months from July 1, 1963, \$666.67 a month, supersedes (6-24-63); and one year from September 1, 1963, \$8,000 (7-1-63).
- BOARDMAN, RICHARD P., Research Assistant in Medical Education (Medicine), two months from July 1, 1963, \$550 a month (6-24-63).
- BOWMAN, MRS. MARY A., Engineering Library Assistant in the Library, one year from September 1, 1963, \$5,500 (7-1-63).
- BOZONE, BILLIE R., Assistant Reference Librarian in the Library, with rank of Instructor, one year from September 1, 1963, \$6,800 (7-1-63).
- BRAWNER, DAVID H., Assistant in History, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period, supersedes previous Summer Session appointment (6-28-63).
- BROOKER, ELMER W., Research Assistant in Civil Engineering (C), four months from September 1, 1963, \$555.56 a month (7-1-63).
- BROWER, MRS. ELIZABETH, Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1963, \$4,200 (7-1-63).
- BUCHHOLZ, EUGENE K., Assistant in Mechanical Engineering (C), nine months from September 16, 1963, \$5,500 (7-5-63).
- CALDWELL, RODERICK, Visiting Lecturer in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$1,823 for the period (7-1-63).
- CALLAHAN, JOSEPH P., Research Associate in Theoretical and Applied Mechanics (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$2,600 (7-5-63).
- CAMEY, MRS. LOUISE M., House Director-Delta Cooperative, ten months from September 1, 1963, \$2,300; for the convenience of the University, she will also be furnished room and board valued at \$31 a month (6-24-63).
- CAMPBELL, JAMES L., Instructor in Music, Summer Session of 1963, June 17-August 10, 1963, \$423 for the period (7-1-63).
- CORLEY, ROBERT E., Associate Professor of Sociology (Chicago Undergraduate Division),  $\frac{1}{2}$  time, June 21-August 16, 1963, \$944, additional to present appointment and to Summer Session appointment on  $\frac{1}{2}$  time (6-24-63).
- CRANDALL, CORYL, Assistant in English, nine months from September 16, 1963, \$4,600 (7-1-63).
- CRAWFORD, WILLIAM R., III, Research Assistant in Medicine Administration (Medicine Education) (College of Medicine), one year from September 1, 1963, \$8,500 (6-21-63).
- CREW, JOHN E., Research Assistant Professor of Physics (C), one month from July 1, 1963, \$1,000 (6-24-63).
- CROW, W. D. L., Research Associate in Chemistry, November 18, 1963-August 31, 1964, \$6,600 a year, supersedes (7-1-63).
- DAWKINS, WILLIAM P., Research Assistant in Civil Engineering (C), nine months from September 16, 1963, \$6,000 (6-19-63).
- DEMAINE, MARGARET M., Research Associate in Chemistry, one year from September 1, 1963, \$7,000 (6-6-63).
- DEPALMA, RUDOLPH, Research Associate in Oral Medicine, and Social Aspects of Dentistry (Dentistry),  $\frac{3}{4}$  time, one year from September 1, 1963, \$2,950 (7-1-63).
- EBERLE, MARGARET A., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$1,300 for the period (6-28-63).
- EHRMAN, JOHN, Research Associate in Physics (C), three months from June 1, 1963, \$700 a month, supersedes (6-24-63).
- ELLIS, VIRGINIA, Head Resident, Allen Hall (North), ten months from September 1, 1963, \$5,250; for the convenience of the University, she will also

- receive an apartment and meals while the dining rooms are in operation (6-24-63).
- ENG, WILLIAM, Associate Professor of Architecture, Summer Session of 1963, June 17-August 10, 1963, \$2,223 for the period (7-3-63).
- FERRILL, ARTHUR L., Assistant in History, nine months from September 16, 1963, \$4,200 (7-1-63).
- FILBEY, MARY L., Assistant to the Dean of Women,  $\frac{3}{4}$  time, nine months from September 16, 1963, \$3,300 (7-3-63).
- FITCH, HORATIO M., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1963, June 17-August 10, 1963, \$1,823 for the period, supersedes previous Summer Session appointment (6-17-63).
- FLENNER, ROSS H., Senior Research Programmer in the Digital Computer Laboratory, one year from September 1, 1963, \$10,500 (7-1-63).
- FORD, NEIL M., Research Assistant in the Bureau of Economic and Business Research, June 15-August 31, 1963, \$450 a month, supersedes (6-21-63).
- GALLACHER, PATRICK J., Research Assistant in English, June 17-August 10, 1963, \$889 (6-28-63).
- GARVEY, JOHN C., Professor of Music, Summer Session of 1963,  $\frac{2}{3}$  time, June 17-August 10, 1963, \$1,586 for the period, supersedes previous Summer Session appointment (7-1-63).
- GARVIN, FRANK G., Assistant in English, nine months from September 16, 1963, \$4,200 (7-1-63).
- GAUDETTE, HENRI E., Research Associate in Geology, one year from September 1, 1963, \$7,500 (6-24-63).
- GEIGER, DAVID S., Research Associate in Physics (C),  $\frac{1}{2}$  time, one year from September 1, 1963, \$4,000 (7-5-63).
- GELDARD, JOHN F., Research Associate in Chemistry, one year from September 1, 1963, \$6,100 (6-24-63).
- GELDER, HARVEY M., Visiting Lecturer in Mathematics and in Education (University High School), one year from September 1, 1963, \$14,300 (6-17-63).
- GIORDANO, CHARLES B., Instructor in German, Summer Session of 1963, June 17-August 10, 1963, \$1,334 for the period, supersedes previous Summer Session appointment (6-28-63).
- GOLDMAN, LLOYD N., Assistant in English, nine months from September 16, 1963, \$4,600 (7-1-63).
- GOOD, JOAN E., Instructor in Speech and Theatre, academic year beginning September 1, 1963, \$5,150 (6-24-63).
- GREENWOOD, MRS. GERTRUDE S., Visiting Professor of the Classics, academic year beginning September 1, 1963, \$12,000 (6-8-63).
- GRIDLEY, ROY E., Assistant in English, nine months from September 16, 1963, \$4,600 (7-1-63).
- GRINNELL, MRS. ELEANOR E., Head Resident, Evans Hall, ten months from September 1, 1963, \$4,950; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).
- GUFFEY, GEORGE R., Assistant in English, nine months from September 16, 1963, \$4,600 (7-1-63).
- GUIMOND, JAMES, Assistant in English, nine months from September 16, 1963, \$4,600 (7-1-63).
- GURINKEL, GERMAN, Visiting Assistant Professor of Civil Engineering, Summer Session of 1963,  $\frac{2}{3}$  time, June 17-August 10, 1963, \$720 for the period (7-1-63).
- HAGGERTY, JOHN J., Assistant in English, nine months from September 16, 1963, \$4,400 (7-1-63).
- HAMILTON, JOHN A., Assistant Professor of English, Summer Session of 1963, June 17-August 10, 1963, \$1,445 for the period, supersedes previous Summer Session appointment (7-3-63).
- HAMILTON, TOM S., Administrative Secretary of North Central Experiment Station Directors (S),  $\frac{1}{2}$  time, one year from September 1, 1963, \$7,800 (6-24-63).
- HANDLER, MRS. ELLEN I., Research Associate in the Jane Addams Graduate School of Social Work,  $\frac{1}{4}$  time, June 1, 1963-August 31, 1964, \$2,400 a year (6-27-63).

- HARRIS, MARVYN R., Instructor in French, academic year beginning September 1, 1963, \$6,600 (7-1-63).
- HAWKINS, HELEN A., Head Resident, Saunders Hall, ten months from September 1, 1963, \$5,300; for the convenience of the University, she will be furnished room and board valued at \$31 a month (6-24-63).
- HAYASHI, MAKOTO, Research Associate in Psychiatry (Medicine), August 15, 1963-August 31, 1964, \$6,500 a year (6-28-63).
- HEILES, WILLIAM H., Instructor in Music, academic year beginning September 1, 1963, \$5,000 (5-23-63).
- HENCLEY, STEPHEN P., Associate Professor of Administration and Supervision (College of Education), June 16-August 15, 1963, \$2,134, supersedes Summer Session appointment (6-13-63).
- HENDERLEITER, W. M., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{3}{4}$  time, June 21-August 16, 1963, \$1,075 for the period (6-26-63).
- HERDER, HARRY J., JR., Research Associate in Secondary and Continuing Education, one year from September 1, 1963, \$9,000 (6-3-63).
- HILL, ORDELLE G., Assistant in English, nine months from September 16, 1963, \$4,400 (7-1-63).
- HILL, ROGER G., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{3}{4}$  time, June 21-August 16, 1963, \$1,279 for the period (6-26-63).
- HODGES, CHARLES E., Assistant in English, nine months from September 16, 1963, \$4,600 (7-1-63).
- HODGES, THOMAS K., Assistant Professor of Horticulture (C and S), July 1, 1963-August 31, 1964, \$8,600 a year, supersedes (6-14-63).
- HUANG, YEN-CHIEN, Research Associate in Metallurgy (C), June 12-August 31, 1963, \$666.66 a month, supersedes (7-1-63).
- HUNTER, MARILYN G., Assistant in Education, Summer Session of 1963, June 17-August 10, 1963, \$1,090 for the period (6-28-63).
- INHABER, HERBERT, Research Assistant in Physics (C), two months from June 16, 1963, \$934 (6-24-63).
- JAMES, JUDSON L., Instructor in Political Science, academic year beginning September 1, 1963, \$6,500 (6-24-63).
- JENSEN, RUSSELL S., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$900 for the period, supersedes previous Summer Session appointment (6-17-63).
- JOHNSON, A. BEAUMONT, II, Clinical Associate in Neurological Surgery, Department of Neurology and Neurological Surgery (Medicine),  $\frac{1}{4}$  time, one year from September 1, 1963, \$1,800 (6-26-63).
- JOHNSON, ROBERT C., Assistant in English, nine months from September 16, 1963, \$4,600 (7-1-63).
- JOHNSON, WELDON A., Registered Pharmacist in Hospital Pharmacy (Pharmacy), June 16-August 31, 1963, \$625 a month (6-26-63).
- JOSHI, MRS. PADMINI T., Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-28-63).
- KADERAVEK, MILAN R., Instructor in Music, academic year beginning September 1, 1963, \$6,500 (5-23-63).
- KAPPAUF, WILLIAM E., Professor of Psychology, Summer Session of 1963, June 17-August 10, 1963, \$3,134 for the period (6-28-63).
- KAVIN, HYMIE, Research Assistant in Medicine (Medicine), one year from July 1, 1963, \$6,000 (6-26-63).
- KELLOGG, KING, Associate Professor of Music, Summer Session of 1963, June 17-August 10, 1963, \$2,223 for the period, supersedes previous Summer Session appointment (7-1-63).
- KEMP, JOHN S., Assistant Coordinator, School-University Articulation (Office of Admissions and Records), and Research Assistant in Education (College of Education), one year from September 1, 1963, \$5,500 (6-8-63).
- KILLIAN, DONALD G., Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-28-63).
- KINGERY, ROSS A., Assistant Editor, College of Engineering, one year from September 1, 1963, \$9,200 (7-1-63).

- KLASSEN, PETER P., Professor of Sociology (Chicago Undergraduate Division), June 21-August 16, 1963, \$2,534, additional (6-24-63).
- KLASSEN, WALDEMAR, Research Associate in Zoology, one year from September 1, 1963, \$6,500 (6-6-63).
- KLUG, MICHAEL A., Assistant in English, nine months from September 16, 1963, \$4,400 (7-1-63).
- KOHLMEYER, FREDERICK, Assistant Professor of Economics, one year from July 1, 1963, \$11,000, supersedes (7-3-63).
- KOKATNUR, MOHAN G., Research Associate in Animal Science (S), one year from September 1, 1963, \$6,700 (6-8-63).
- KYUNO, EISHIN, Research Associate in Chemistry, one year from September 1, 1963, \$7,200 (6-24-63).
- LA VELLE, FAITH W., Research Associate in Anatomy (Medicine),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,200 (6-28-63).
- LEACH, JAMES L., Assistant Coordinator, International Cooperation Programs (Provost's Office),  $\frac{1}{2}$  time, July 1-August 31, 1963, \$583.33 a month, additional (7-1-63).
- LESLIE, JAMES D., Research Associate in Physics (C), three months from June 16, 1963, \$625 a month, supersedes (6-25-63).
- LEVITOV, EDITH S., Research Assistant in Psychiatry (Medicine), July 1, 1963-August 31, 1964, \$6,200 a year, supersedes (6-14-63).
- LIEB, MRS. KATHERINE H., Research Assistant in Chemistry, June 10-August 31, 1963, \$445 a month (7-5-63); and one year from September 1, 1963, \$5,340 (7-10-63).
- LIGGETT, JOHN P., Extension Specialist in Civil Defense (Division of University Extension), August 1, 1963-August 31, 1964, \$9,600 a year (7-1-63).
- LISSITZ, ROBERT W., Research Assistant in Psychiatry (Medicine), June 24, 1963-August 31, 1964, \$5,150 a year (6-14-63).
- LONG, CHARLES A., Instructor in Zoology, academic year beginning September 1, 1963, \$5,000 (7-1-63).
- LOWER, WILLIAM D., Assistant in English, nine months from September 16, 1963, \$4,400 (7-1-63).
- MACNAMARA, PATRICIA E., Head Resident, Lincoln Avenue Residence (North), ten months from September 1, 1963, \$4,900; for the convenience of the University, she will also receive an apartment and meals furnished while the dining rooms are in operation (6-24-63).
- MADUROS, BILL P., Clinical Associate in Medicine (Medicine), three months from June 1, 1963, without salary (7-1-63).
- MARTIN, MILLICENT V., Assistant Professor of Child Development, Summer Session of 1963, June 17-August 10, 1963, \$1,445 for the period (6-24-63).
- MARTIN-TRIGONA, MRS. HELEN, Assistant in Speech and Theatre, nine months from September 16, 1963, \$4,800 (6-19-63).
- MARTIRANO, SALVATORE J., Visiting Composer of Music, nine months from September 16, 1963, \$8,500 (6-6-63).
- McCLINTOCK, NORMAN E., Visiting Lecturer in Education, Summer Session of 1963, July 15-August 10, 1963, \$1,000 for the period (6-24-63).
- MEARA, NAOMI M., Head Resident, Blaisdell Hall, ten months from September 1, 1963, \$4,900; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).
- METCALF, CHARLES W., Clinical Instructor in Medicine (Medicine), June 22-August 31, 1963, without salary (7-1-63).
- MEYERHOLZ, GEORGE W., Assistant Professor of Veterinary Extension, Department of Veterinary Pathology and Hygiene (College of Veterinary Medicine) (E and C), June 16, 1963-August 31, 1965, \$11,600 a year (6-17-63).
- MILLER, JERALD, Instructor in Periodontics, Department of Applied Materia Medica and Therapeutics (Dentistry),  $\frac{1}{2}$  time, one year from September 1, 1963, \$1,600 (6-28-63).
- MILLER, WILLIAM H., Associate Professor of Music, Summer Session of 1963, June 17-August 10, 1963, \$1,912 for the period, supersedes previous Summer Session appointment (7-1-63).
- MIMS, R. SUE, Head Resident, Taft Hall, ten months from September 1, 1963, \$4,700; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).

- MITCHELL, JUNE D., Head Resident, Lincoln Avenue Residence (South), ten months from September 1, 1963, \$5,100; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).
- MORRIS, JOHN R., Extension Specialist in Civil Defense, Division of University Extension, August 1, 1963-August 31, 1964, \$10,200 a year (7-1-63).
- MUELLER, JOSEPH E., Research Associate in Education (University High School), one year from September 1, 1963, \$11,000 (6-8-63).
- NAJAFI, HASSAN, Research Associate in Surgery (Medicine), 7/10 time, one year from July 1, 1963, \$6,000, supersedes nonsalaried appointment (6-26-63).
- NEAL, RICHARD H., Clinical Instructor in Medicine (Medicine), June 10-August 31, 1963, without salary (6-28-63).
- NEBELSKY, LEO, Research Associate in Teacher Education (Dentistry), ¼ time, one year from September 1, 1963, \$3,750 (7-1-63).
- NELSON, WILFRED H., Research Associate in Chemistry, eleven months from October 1, 1963, \$6,100 a year (7-1-63).
- NICHOLS, GLENN O., Assistant in History, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period, supersedes previous Summer Session appointment (6-28-63).
- NOLAN, GRACE M., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963, ¾ time, June 21-August 16, 1963, \$1,260 for the period (6-26-63).
- NOVAR, LEON, Visiting Lecturer in Political Science (Chicago Undergraduate Division), Summer Session of 1963, ½ time, June 21-August 16, 1963, \$750 for the period (6-26-63).
- OKADA, KATUKI, Research Associate in Psychiatry (Medicine), August 15, 1963-August 31, 1964, \$6,500 a year (6-28-63).
- OLSEN, CHARLES E., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,512 for the period, supersedes previous Summer Session appointment (6-26-63).
- PERLMUTTER, MRS. SHIRLEY, Instructor in Occupational Therapy (Medicine), ¾ time, June 3-August 31, 1963, \$3,930 a year, supersedes leave of absence and previous appointment (6-24-63).
- PINEO, CLIFFORD W., Research Associate in Education (University High School), one year from September 1, 1963, \$11,500 (6-8-63).
- PORTER, LAURELLEN, Head Resident, Triad, five months from September 1, 1963, \$500 a month; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).
- PRANINSKAS, MRS. JEAN, Assistant Professor of English, two years from September 1, 1963, to render service during each academic year, \$6,700 a year (7-1-63).
- PURITT, PAUL, Research Assistant in Anthropology, two months from June 1, 1963, \$444.44 a month (6-24-63).
- RAINS, MRS. RUTH R., Assistant Professor of French, two years from September 1, 1963, to render service during each academic year, \$6,900 a year (7-1-63).
- RAMAIAH, KOMMINENI, Research Associate in Chemistry, one year from September 1, 1963, \$6,100 (6-6-63).
- REBER, ROBERT J., Research Assistant in Animal Science (S), June 5-August 31, 1963, \$5,000 a year; and one year from September 1, 1963, \$5,200 (6-14-63).
- REMEIKIS, NIJOLE, Instructor in Endodontics, Department of Applied Materia Medica and Therapeutics (Dentistry), one year from September 1, 1963, \$8,600 (6-28-63).
- RIBEIRO, SERGIO T., Research Associate in the Digital Computer Laboratory, academic year beginning September 1, 1963, \$6,500 (7-1-63).
- RIEDY, MRS. SONIA C., Assistant to the Director of Foreign Student Affairs, August 1, 1963-August 31, 1964, \$6,500 a year (7-5-63).
- RINGER, PATRICIA, Illini Union Browsing Room Librarian in the Library, with rank of Assistant, one year from September 1, 1963, \$5,800 (7-1-63).
- RINGLER, ELLIN J., Assistant in English, nine months from September 16, 1963, \$4,600 (7-1-63).

- RITCHIE, MRS. FLORENCE, Head Resident, Van Doren Hall, ten months from September 1, 1963, \$4,950; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).
- ROBERTS, DONALD M., Associate Professor of Economics,  $\frac{3}{5}$  time, and of Mathematics,  $\frac{2}{5}$  time, indefinite tenure from September 1, 1963, to render service during each academic year, \$10,000 a year (7-5-63).
- ROGERS, PHILIP E., Assistant in English, nine months from September 16, 1963, \$4,200 (7-1-63).
- RUSSO, ALEXANDER J., Assistant in the Radiocarbon Laboratory, two months from June 16, 1963, \$525 a month (6-17-63).
- SANDBERG, MRS. KAREN R., Research Assistant in Chemistry (Pharmacy), one year from September 1, 1963, \$5,150 (7-1-63).
- SANDERS, WALTER J., Assistant Professor of Mathematics and of Education (University High School), one year from September 1, 1963, \$11,000 (6-13-63).
- SASNER, JOHN J., JR., Research Associate in Physiology and Biophysics, one month from September 1, 1963, \$550 (6-8-63).
- SCHILL, WILLIAM J., Assistant Professor of Education, Summer Session of 1963,  $\frac{1}{2}$  time, and in the College of Education,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$1,889 for the period, supersedes previous Summer Session appointment (6-28-63).
- SCHOLOMITI, N. C., Assistant Professor of Mathematics (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{5}{8}$  time, June 21-August 16, 1963, \$1,325 for the period (6-26-63).
- SEARS, HELEN W., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,467 for the period, supersedes previous Summer Session appointment (6-26-63).
- SEXTON, HASKELL O., Professor of Music, Summer Session of 1963,  $\frac{3}{4}$  time, June 17-August 10, 1963, \$1,767 for the period, supersedes previous Summer Session appointment (7-1-63).
- SHAW, PAUL D., Assistant Professor of Plant Pathology (C and S), one year from July 1, 1963, \$9,000, supersedes (7-5-63).
- SHINDO, HIDEYO, Research Associate in Chemistry, one year from September 1, 1963, \$6,500 (6-24-63).
- SKORNTA, LORENE M., Assistant to the Dean of Women,  $\frac{3}{4}$  time, nine months from September 16, 1963, \$3,400 (7-3-63).
- SMITH, GEORGE H., JR., Instructor in Social Sciences (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{2}{3}$  time, June 21-August 16, 1963, \$889 for the period (6-26-63).
- SOHN, DAVID M., Clinical Instructor in Surgery (Medicine), without salary, and Instructor in Oral and Maxillofacial Surgery (Dentistry),  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,750 (6-28-63).
- SPELLMAN, MRS. MARY S., Commerce and Sociology Library Assistant in the Library, one year from September 1, 1963, \$5,500 (7-5-63).
- SPRENKLE, CASE M., Assistant Professor of Economics and Assistant Dean of the College of Commerce and Business Administration, Summer Session of 1963, two months from June 16, 1963, \$1,934 for the period (6-13-63).
- SRINIVASAN, RANGASWAMY, Research Associate in Chemistry, eight months from January 1, 1964, \$6,100 a year (6-6-63).
- STOOPS, BETTY, Extension Specialist in Visual Aids Service (Division of University Extension), one month from July 1, 1963, \$888.89; and nine months from September 1, 1963, \$933.33 a month (6-24-63).
- TAGGER, MICHEL, Instructor in Endodontics and in Periodontics, Department of Applied Materia Medica and Therapeutics (Dentistry), one year from September 1, 1963, \$7,000 (6-28-63).
- TALBOT, GEORGE A., Lecturer in Social Science and Sociology (Division of General Studies and Department of Sociology), academic year beginning September 1, 1963, \$6,800 (7-1-63).
- TANAKA, RYO, Research Associate in Psychiatry (Medicine), six months from April 1, 1963, \$625 a month, supersedes (6-24-63).



- TELLING, MRS. FERN H., Head Resident, Cedar Hall, and Coordinator of Arbor Suites, ten months from September 1, 1963, \$4,650; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).
- TERRELL, GLENN, JR., Professor of Psychology and Dean of the College of Liberal Arts and Sciences (Chicago Undergraduate Division), one month from August 1, 1963, \$1,750 (6-24-63).
- TESTA, MRS. JANICE M., Instructor in French, academic year beginning September 1, 1963, \$6,600 (7-1-63).
- TEXTOR, CHARLES S., II, Clinical Assistant Professor of Neurology and Neurological Surgery (Medicine), 1/10 time, one year from September 1, 1963, \$1,200 (6-28-63).
- THODEY, A. R., Assistant in Agricultural Economics (S), July 22-August 31, 1963, \$602.50 (7-3-63).
- THOMSON, JOSEPH W., Research Assistant in English, three months from June 16, 1963, \$1,750 (6-21-63).
- TICHENOR, DUANE, Instructor in Education, Summer Session of 1963, 1/2 time, June 17-August 10, 1963, \$667 for the period (6-28-63).
- TIECKE, RICHARD, Lecturer in Oral Pathology, with rank of Professor (Dentistry), 1/2 time, one year from September 1, 1963, \$2,400 (6-28-63).
- TRIPPET, MARY M., Assistant in English, nine months from September 16, 1963, \$4,400 (7-31-63).
- TUFTS, THOMAS B., Assistant in English, nine months from September 16, 1963, \$4,200 (7-31-63).
- VEDRAL, MRS. ROSE H., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963, 3/4 time, June 21-August 16, 1963, \$1,260 for the period (6-26-63).
- VIA, JOHN, Assistant in English, nine months from September 16, 1963, \$4,400 (7-1-63).
- VOGEL, WOLFGANG H., Research Associate in Pharmacology (Medicine), one year from August 1, 1963, \$8,500 (6-27-63).
- WANG, HAN-CHUNG, Research Associate in Theoretical and Applied Mechanics (C), 1/2 time, academic year beginning September 1, 1963, \$2,500 (6-10-63).
- WELLS, MRS. CATHERINE N., Head Resident, Busey Hall, ten months from September 1, 1963, \$4,950; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).
- WENTWORTH, RUPERT A. D., Research Associate in Chemistry, June 24-August 31, 1963, \$583.33 a month; and one year from September 1, 1963, \$7,000 (6-24-63).
- ZAHARKO, DANIEL S., Research Associate in Physiology and Biophysics, two months from June 16, 1963, \$1,090.90 (6-17-63).
- ZBICK, RAYMOND, Clinical Instructor in Anesthesiology, Department of Surgery (Medicine), three months from June 1, 1963, without salary (6-28-63).
- ZWIER, MARCIA D., Psychologist in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 45/100 time, June 17-August 10, 1963, \$400 for the period (7-1-63).

#### FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- AKITT, DONALD P., Sperry-Gyroscope Fellow in Electrical Engineering, nine months from September 16, 1963, \$2,500 (6-20-63).
- ALCALDE, VICTOR M., United States Public Health Service Fellow (Trainee) in Pediatrics, one year from July 1, 1963, \$6,500 (7-2-63).
- ANSBRO, JOHN F., Ford Foundation Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, \$600 (6-18-63).
- ARNOFF, WILLIAM H., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, \$12,000 (6-20-63).
- AUST, RICHARD B., National Science Foundation Graduate Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,650 (6-11-63).
- BAGBY, ROLAND M., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1963, \$2,666 (7-3-63).

- BINGEL, AUDREY S., United States Public Health Service Fellow (Trainee) in Physiology, ten months from September 1, 1963, \$1,833.33 (7-9-63).
- BOGART, ELIZABETH A., National Science Foundation Graduate Fellow in Zoology, one year from September 1, 1963, \$2,000 (6-11-63).
- BRANDT, RICHARD C., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, \$2,400 (4-25-63).
- BUCKZKOWSKI, ZBIGNIEW, Postdoctoral Fellow in Chemistry, one year from September 1, 1963, \$6,000 (7-5-63).
- CARMICHAEL, J. W., JR., National Science Foundation Graduate Fellow in Chemistry, one year from June 16, 1963, \$2,200 (6-11-63).
- CHAPMAN, PETER J., Postdoctoral Fellow (Trainee) in Chemistry, June 16-August 31, 1963, \$500 a month (6-24-63).
- CLARKE, RICHARD B., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$489 (5-27-63).
- CORY, ROBERT P., National Science Foundation Graduate Fellow in Chemistry, one year from June 16, 1963, \$2,500 (6-18-63).
- CONGER, ANTHONY J., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (6-3-63).
- D'AGOSTINO, ANTHONY N., United States Public Health Service Fellow (Trainee) in Pharmacology, three months from June 16, 1963, \$600 (7-9-63).
- DEWITT, WALTER G., III, National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, \$2,500 (6-14-63).
- DOROSZ, LEON C., United States Public Health Service Fellow (Trainee) in Physiology, nine months from September 16, 1963, \$3,000 (6-20-63).
- DRAPER, MILTON A., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1963, \$2,400 (7-8-63).
- DUERINCK, WAYNE C., United States Public Health Service Fellow (Trainee) in Physiology, June 9-30, 1963, \$75; and one year from July 1, 1963, \$2,300 (7-9-63).
- EYMAN, DARRELL P., Esso Research and Engineering Company Summer Fellow in Chemistry, two months from June 16, 1963, \$550 (7-9-63).
- FORD, THOMAS E., International Business Machines Fellow in Electrical Engineering, nine months from September 16, 1963, \$2,500 (6-21-63).
- FRIEDMAN, ROBERT B., United States Public Health Service Fellow (Trainee) in Biochemistry, September 16, 1963-June 30, 1964, \$1,820.77 (7-3-63).
- GLADER, BERTIL E., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1963, \$2,900 (7-9-63).
- GODU, JACQUES A. J. C., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, June 16-30, 1963, \$250 (6-28-63).
- GOODMAN, HARRY E., National Science Foundation Fellow in Pharmacy, one year from June 17, 1963, \$4,000 (6-28-63).
- GOSSUM, SANDRA A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170, supersedes (6-19-63).
- GRALLER, JACK L., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, \$3,000 (6-18-63).
- GROSSIE, JAMES A., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from June 16, 1963, \$5,000 (6-20-63).
- HALPER, IRA S., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, \$3,600 (6-18-63).
- HARDY, CAROLINE E., United States Public Health Service Fellow (Trainee) in Biological Chemistry, one year from July 1, 1963, \$2,600 (7-8-63).
- HENDRICKS, RICHARD A., Medical Student Summer Quarter Fellow in Cardiology, three months from June 16, 1963, \$600 (5-28-63).
- HIGGS, WILLIAM J., National Science Foundation Graduate Fellow in Psychology, one year from June 16, 1963, \$3,000 (6-14-63).
- HOFFMAN, EDWARD L., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$3,000 (6-21-63).
- HOFFMANN, JOAN C., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1963, \$2,500 (7-8-63).
- HOIT, MICHAEL, United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, \$2,400 (6-20-63).
- HUBER, FLOYD M., United States Public Health Service Predoctoral Fellow in Plant Pathology, one year from July 1, 1963, \$3,000 (7-10-63).

- HURST, DAVID O., National Science Foundation Graduate Fellow in Chemistry, nine months from September 16, 1963, \$1,500 (6-18-63).
- IRENS, ROAR L., United States Public Health Service Fellow (Trainee) in Microbiology, seven months from July 1, 1963, \$1,866.69 (5-24-63).
- JAO, RODOLFO L., United States Public Health Service Fellow (Trainee) in Internal Medicine, one year from July 1, 1963, \$6,000 (7-2-63).
- JOHANSEN, CARLYLE E., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, \$2,400 (6-20-63).
- KAMINSKY, MURIEL, National Institute of Mental Health Predoctoral Fellow in Anthropology, one year from June 16, 1963, \$2,058 (6-11-63).
- KAUFMAN, RICHARD V., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, \$2,400 (6-20-63).
- KEARNS, THOMAS J., National Science Foundation Graduate Fellow in Mathematics, one year from September 1, 1963, \$2,000 (6-24-63).
- KEFALIDES, NICHOLAS A., United States Public Health Service Fellow (Trainee) in Medicine, one year from July 1, 1963, \$8,000 (6-13-63).
- KENNY, MARGARET A., United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 16, 1963-June 30, 1964, \$1,820.83 (7-8-63).
- KERST, KARLENE, United States Public Health Service Fellow (Trainee) in Physiology, two months from June 16, 1963, \$444.34 (6-19-63).
- KOOPMAN, RAYMOND F., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$2,400 (6-21-63).
- LAWTON, IRENE, United States Public Health Service Fellow (Trainee) in Physiology, June 9-30, 1963, \$75 (7-9-63); and one year from July 1, 1963, \$2,300 (7-10-63).
- LEFKOWITZ, LEWIS B., JR., United States Public Health Service Fellow (Trainee) in Internal Medicine, one year from July 1, 1963, \$7,500 (7-8-63).
- LERNER, ALAN E., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, \$3,000 (6-20-63).
- LEVY, WILLIAM H., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, \$2,400 (6-20-63).
- LIEB, WILLIAM R., National Science Foundation Graduate Fellow in Biophysics, nine months from September 16, 1963, \$1,875 (6-24-63).
- LILJE, GERALD W., Fellow in Philosophy, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375, supersedes (6-26-63).
- LITWACK, MARCIA D., United States Public Health Service Fellow (Trainee) in Biochemistry, one year from July 1, 1963, \$2,300 (7-3-63).
- LOEY, HANNELORE, United States Public Health Service Fellow (Trainee) in Pharmacology, one year from July 1, 1963, \$6,000 (6-18-63).
- LOWE, JOHN T., National Science Foundation Graduate Fellow in Chemistry, one year from June 16, 1963, \$2,500 (6-18-63).
- MAGLIONE, FRANK D., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1963, \$850 (6-14-63).
- MANDY, WILLIAM J., Postdoctoral Fellow (Trainee) in Microbiology, two months from July 1, 1963, \$625 a month (6-24-63).
- MARCUM, HOWARD B., National Science Foundation Graduate Fellow in Psychology, nine months from September 16, 1963, \$1,500 (6-18-63).
- MARSHALL, JOHN A., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from June 16, 1963, \$2,400 (6-18-63).
- MARTIN, PRESTON K., United States Rubber Company Summer Fellow in Chemistry, two months from June 16, 1963, \$500 (6-28-63).
- MAYFIELD, ERNEST D., United States Public Health Service Fellow (Trainee) in Animal Science, one year from September 1, 1963, \$2,600 (7-16-63).
- MCGURK, DONALD J., Fellow in Chemistry, nine months from September 16, 1963, \$1,800; and two months from June 16, 1964, \$600, supersedes (6-10-63).
- MCQUEEN, RALPH D., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, three months from June 1, 1963, \$1,260 (6-28-63).
- MEDENIS, MRS. RUTE, United States Public Health Service Fellow (Trainee) in Pediatrics, one year from July 1, 1963, \$6,700 (7-2-63).
- MELTON, MARILYN R., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1963, \$500 (6-14-63).

- MER, SANFORD B., Fellow (Trainee) in Otolaryngology, one year from July 1, 1963, \$7,000 (7-2-63).
- MERKELO, HENRY, Radio Corporation of America Fellow in Electrical Engineering, nine months from September 16, 1963, \$2,700 (6-19-63).
- MERRILL, TIMOTHY N., United States Public Health Service Fellow (Trainee) in Medicine, June 17-August 23, 1963, \$600 (7-8-63).
- MIDDAUGH, RICHARD L., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, \$2,200 (6-18-63).
- MIESEL, JOHN, National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, \$2,000 (6-18-63).
- MONROE, BRUCE M., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, \$2,000 (6-18-63).
- MUKHERJI, PARTHA N., Fellow in Sociology, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375 (6-6-63).
- MULLEN, LOUIS E., General Electric Foundation Fellow in Accounting, nine months from September 16, 1963, \$1,500 (6-20-63).
- NADOR, FRANK, United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, \$12,000 (6-20-63).
- NANCE, JON R., National Science Foundation Graduate Fellow in Physics, one year from June 16, 1963, \$3,200 (6-18-63).
- NEIDINGER, JOSEPH W., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1963, \$2,800 (7-9-63).
- O'BRIEN, MARGARET A., United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 16, 1963-June 30, 1964, \$1,820.77 (7-8-63).
- O'CONNOR, BRIAN R., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, \$2,700 (6-18-63).
- PAYNE, WILLIAM H., Edward Orton Jr. Ceramic Foundation Fellow in Ceramic Engineering, nine months from September 16, 1963, \$1,600, supersedes (6-19-63).
- PERKINS, JOHN C., United States Public Health Service Fellow (Trainee) in Infectious Disease (Medicine), one year from July 1, 1963, \$7,500 (7-8-63).
- PICKENS, WILLIAM F., United States Public Health Service Predoctoral Fellow in Chemistry, one year from June 16, 1963, \$2,000 (7-10-63).
- PIERRET, ROBERT F., National Science Foundation Graduate Fellow in Physics, nine months from September 16, 1963, \$1,500 (6-18-63).
- PINCKERT, RICHARD E., National Science Foundation Graduate Fellow in Civil Engineering, nine months from September 16, 1963, \$1,500 (6-18-63).
- PIZER, ESTHER R., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, \$12,000 (6-20-63).
- PURCELL, KEITH F., Union Carbide Corporation Fellow in Chemistry, nine months from September 16, 1963, \$2,100 (5-6-63).
- RANKIN, CAROLYN, Millican College Fellow in Education, nine months from September 16, 1963, \$1,500, supersedes (6-27-63).
- REEDY, STANLEY G., Medical Student Summer Quarter Fellow in Biological Chemistry, three months from June 16, 1963, \$600 (6-11-63).
- REILLY, MATTHEW J., National Science Foundation Graduate Fellow in Chemical Engineering, one year from June 16, 1963, \$3,000 (6-17-63).
- ROBBINS, PAUL C., United States Public Health Service Fellow (Trainee) in Medicine (Endocrinology and Metabolism), June 28-September 15, 1963, \$1,000 (7-8-63).
- ROSENBLUM, CARL, United States Public Health Service Fellow (Trainee) in Biological Chemistry, ten months from September 1, 1963, \$1,916.60 (7-9-63).
- ROUK, DONALD J., General Electric Foundation Fellow in Accounting, nine months from September 16, 1963, \$1,000 (6-26-63).
- SAMPLE, STEVEN B., National Science Foundation Graduate Fellow in Electrical Engineering, nine months from September 16, 1963, \$2,250 (6-18-63).
- SHIER, GEORGE D., National Science Foundation Graduate Fellow in Chemistry, one year from June 16, 1963, \$2,700 (6-18-63).
- SILVERGLADE, LEE B., United States Public Health Service Fellow (Trainee) in Oral Pathology, two months from July 1, 1963, \$1,083.32 (7-2-63); and ten months from September 1, 1963, \$5,833.33 (7-3-63).

- SIMONE, JOSEPH V., United States Public Health Service Fellow (Trainee) in Pediatrics, one year from July 1, 1963, \$6,500 (7-2-63).
- SLATER, DONALD W., United States Public Health Service Fellow (Trainee) in Microbiology, June 16, 1963-September 1, 1964, \$3,407.50, supersedes (7-1-63).
- SMITH, AUSTIN M., General Electric Foundation Fellow in Accounting, nine months from September 16, 1963, \$1,000 (6-20-63).
- SMITH, JACK L., Postdoctoral Fellow (Trainee) in Animal Science, two months from July 1, 1963, \$533.33 a month (6-24-63); and United States Public Health Service Postdoctoral Fellow in Animal Science, ten months from September 1, 1963, \$6,400 a year (7-5-63).
- SMOLER, JOSE, United States Public Health Service Fellow (Trainee) in Otolaryngology, one year from July 1, 1963, \$5,500 (6-13-63).
- STANKO, JOSEPH A., National Science Foundation Graduate Fellow in Chemistry, one year from June 16, 1963, \$2,500 (6-18-63).
- STEINHARDT, MARY D., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, \$2,200 (6-18-63).
- SZILVASSY, IVAN P., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from July 1, 1963, \$5,500 (6-20-63).
- TURK, CHARLES E., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, \$2,400 (6-20-63).
- TURNER, L. P., United States Rubber Company Summer Fellow in Chemistry, two months from June 16, 1963, \$500 (6-28-63).
- VERMEULEN, CARL W., United States Public Health Service Predoctoral Fellow in Biochemistry, one year from July 1, 1963, \$2,500 (7-12-63).
- VICE, JOHN L., Graduate College Fellow in Microbiology, nine months from September 16, 1963, \$1,800 (6-18-63).
- VOLNER, PATSY R., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1963, \$500 (6-14-63).
- WARD, LINDA R., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1963, \$500 (6-14-63).
- WAYLAND, BRADFORD B., National Science Foundation Graduate Fellow in Chemistry, June 15, 1963-June 16, 1964, \$3,200 (7-11-63).
- WEBER, EVELYN, Postdoctoral Fellow (Trainee) in Chemistry, June 16-August 31, 1963, \$550 a month (6-24-63).
- WHITAKER, SIDNEY M., National Science Foundation Graduate Fellow in Geology, nine months from September 16, 1963, \$1,500 (6-18-63).
- WILSON, JOHN E., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, \$2,200 (6-18-63).
- WILSON, ROBERT G., National Science Foundation Fellow in Pharmacy, one year from June 18, 1963, \$3,000 (6-28-63).
- WRZESZCZ, OWEN E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310, supersedes (6-19-63).
- YOUNG, PHILIP D., National Institute of Mental Health Predoctoral Fellow in Anthropology, one year from June 1, 1963, \$4,500 (6-11-63).
- ZARYCKY, OKSANA M., United States Public Health Service Fellow (Trainee) in Biochemistry, one year from July 1, 1963, \$2,400 (7-3-63).

#### RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATION

- ADAMS, MARY, Assistant Professor of Nursing—resignation effective July 1, 1963.
- AGUSTIN, CESAR C., Research Assistant in Physical Medicine and Rehabilitation (Medicine)—resignation effective August 15, 1963.
- ANDERSON, JOHN F., Teaching Fellow in Entomology—cancellation effective June 16, 1963.
- AYERS, MRS. CHARLOTTE S., Serials Cataloger in the Library, with rank of Instructor—resignation effective June 27, 1963.
- BACH, GERHARD L., Research Assistant in Medicine (Medicine)—resignation effective July 1, 1963.
- BERGER, JACQUES, Instructor in Zoology—resignation effective September 1, 1963.
- BERGLUND, WINFRED V., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963—resignation effective June 21, 1963.
- BISHOP, INEZ E., Assistant in Education, Summer Session of 1963—resignation effective June 17, 1963.

- BISWAS, DEBAJIT K., Research Associate in Animal Science—resignation effective September 1, 1963.
- BRYSKIN, LARRY, United States Public Health Service Fellow (Trainee) in Psychiatry—termination effective February 1, 1963.
- CHENOWETH, MRS. LYNN, Assistant in Nursing—resignation effective June 7, 1963.
- CHRISTENSEN, JAMES, JR., Office of Vocational Rehabilitation Fellow (Trainee) in Education—cancellation effective June 15, 1963.
- CHU, GODWIN C., Research Assistant Professor in the Institute of Communications Research—resignation effective September 1, 1963.
- DETWILER, BETTY C., Instructor in Mathematics—resignation effective September 1, 1963.
- DONOGHUE, JOHN T., Fellow in Chemistry—resignation effective May 1, 1963.
- ERICHSEN, ALVIN W., Research Associate in Plant Breeding (Agronomy), in the Agricultural Experiment Station—resignation effective August 1, 1963.
- FAY, ALICE M., Assistant Professor of Nursing—resignation effective September 1, 1963.
- FIERSTEIN, GARY N., Summer Fellow in Electrical Engineering—cancellation effective June 15, 1963.
- FOULK, MRS. DOROTHY A., Law Library Assistant, with rank of Instructor—resignation effective September 1, 1963.
- FRANK, EVELYN, Professor of Mathematics (Chicago Undergraduate Division), Summer Session of 1963—resignation effective June 21, 1963.
- GARFIELD, RONALD S., Fellow in Spanish—resignation effective September 16, 1963.
- GLEN, DONALD L., Research Associate in Surgery (Medicine)—resignation effective July 1, 1963.
- GROSBOLL, MARTIN P., Summer Fellow in Chemical Engineering—cancellation effective June 16, 1963.
- HAEVERKAMP, MRS. CAROL A., Assistant in Nursing—resignation effective July 1, 1963.
- HEALY, JAMES H., Research Associate in Mechanical Engineering—resignation effective September 1, 1963.
- HERUM, FLOYD L., Assistant Professor of Agricultural Engineering, in the Extension Service in Agriculture and Home Economics and in the Agricultural Experiment Station—resignation effective September 1, 1963.
- HILDRETH, MILDRED, Assistant Reference Librarian, with rank of Instructor—resignation effective September 1, 1963.
- HILL, STEPHANIE O., Fellow in Music—resignation effective September 16, 1963.
- HOWELL, RONALD H., Instructor in Mechanical Engineering, Summer Session of 1963—declination effective June 17, 1963.
- JACOBSON, LEWIS A., United States Public Health Service Summer Fellow (Trainee) in Chemistry—cancellation effective June 15, 1963.
- KLASSEN, PETER P., Professor of Sociology (Chicago Undergraduate Division), Summer Session of 1963—resignation effective June 21, 1963.
- KONA, MRS. MARTHA, Cataloger in the Library, with rank of Instructor (Medicine)—resignation effective July 26, 1963.
- KUGLER, ALFRED, Fellow in Physics—resignation effective June 16, 1963.
- LANDIS, MARTHA, Illini Union Browsing Room Librarian, with rank of Instructor—resignation effective September 1, 1963.
- LASSLO, ANDREW, Bibliographer in the Library, with rank of Instructor—declination effective September 1, 1963.
- LAWDER, SUE A., Grolier-Americana Fellow in Library Science—resignation effective June 15, 1963.
- LOGAN, JOHN F., Instructor in Philosophy—resignation effective September 1, 1963.
- MALLIN, LEAH M., Knox College Fellow in Music—resignation effective September 16, 1963.
- MANDY, WILLIAM J., Research Associate in Microbiology—resignation effective July 1, 1963.
- MCCARTHY, JOSEPH G., Fellow in Electrical Engineering—cancellation effective June 15, 1963.
- MCCARTY, CHARLES G., United States Public Health Service Predoctoral Fellow in Chemistry—resignation effective June 28, 1963.

- McDERMOTT, JOHN P. J., Teaching Fellow in Mathematics — resignation effective September 16, 1963.
- MICK, ROGER M., Assistant Professor of Psychology (Social Science) and Counselor in Student Counseling Service (Chicago Undergraduate Division) — resignation effective July 18, 1963.
- MOLBO, DORIS, Instructor in Nursing — resignation effective July 10, 1963.
- MUNSE, WILLIAM H., Professor of Civil Engineering, Summer Session of 1963 — resignation effective June 17, 1963.
- NARAYANASAMY, R., Research Associate in the Coordinated Science Laboratory and Instructor in Electrical Engineering — resignation effective September 1, 1963.
- O'NEILL, WILLIAM P., National Science Foundation Cooperative Fellow in Chemistry — resignation effective September 1, 1963.
- PAULY, THEODORE J., Instructor in Dentistry — resignation effective September 1, 1963.
- PIETROKOVSKI, JAIME, Research Assistant in Pedodontics (Dentistry) — resignation effective July 1, 1963.
- READ, HELEN J., Instructor in Medical Social Work (Medicine) — resignation effective August 20, 1963.
- REESE, WILLIAM, Research Associate in Physics — resignation effective July 16, 1963.
- SEGOVIA, JOSE L. DE, Research Associate in the Coordinated Science Laboratory — resignation effective September 1, 1963.
- STEWART, MRS. BEVERLY J., Undergraduate Library Assistant in the Library — resignation effective June 18, 1963.
- SUSMAN, NEWTON B., Teaching Fellow in Landscape Architecture — resignation effective June 16, 1963.
- TOUSSAINT, EUNICE, History and Political Science Librarian, with rank of Assistant Professor — resignation effective September 1, 1963.
- WALES, HUGH G., Professor of Marketing, Summer Session of 1963 — resignation effective June 17, 1963.
- WENNINGER, MRS. NANCY, Chemistry Library Assistant in the Library — resignation effective September 1, 1963.
- WILSON, BETTY R., Extramural Loans Librarian in the Library, with rank of Instructor — resignation effective September 1, 1963.
- WOODFIN, BEULAH M., United States Public Health Service Fellow (Trainee) in Chemistry — cancellation effective June 16, 1963.
- ZIMMERMAN, JOHN L., Fellow in Zoology — cancellation effective June 16, 1963.

#### LEAVES OF ABSENCE

- BARBEEN, JOHN, Professor of Electrical Engineering and of Physics, and Member of the Center for Advanced Study — leave of absence, without pay, March 1, 1964, through August 31, 1964, so that he may accept a position as Visiting Professor of Physics at Yale University.
- BIRCH, JOHN W., Assistant Professor of Economics — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a Visiting Professorship at Tulane University in New Orleans.
- DJORUP, FRANS M., JR., Assistant Professor of Mathematics — leave of absence, without pay, beginning June 1, 1963, and continuing through August 31, 1964, so that he may accept an invitation to spend next year at the Institute for Defense Analyses, Princeton, New Jersey.
- FETIG, LYLE P., Assistant Professor of Agricultural Economics, in the College of Agriculture and in the Extension Service in Agriculture and Home Economics — leave of absence, without pay, for two months from June 15, 1963.
- FRITH, DONALD E., Associate Professor of Art — leave of absence, without pay, granted him for next year is cancelled, without prejudice.
- JOHNSON, CHARLES E., Associate Professor of Education — leave of absence, without pay, for one year from September 1, 1963, so that he may serve as a Visiting Professor at the University of Puerto Rico.
- MAYER, LEON A., Extension Specialist in the Division of University Extension — leave of absence, without pay, beginning July 29 and continuing through

August 11, 1963, so that he may complete the final two weeks of study in summer school at the University of Illinois.

NIKELLY, ARTHUR G., Clinical Psychologist and Assistant Professor of Hygiene—leave of absence, without pay, beginning July 15 and continuing to August 1, 1963, so that he may serve as a Consultant to the Peace Corps in Washington, D.C.

PAGE, DAVID, Associate Professor of Education, University High School—leave of absence, without pay, for two years beginning August 1, 1963, so that he may serve as Senior Staff Member with Educational Services Incorporated in Watertown, Massachusetts.

SHELDEN, MIRIAM A., Dean of Women—leave of absence on account of sickness, with full pay, for the period July 1 to September 1, 1963, or as much of that period as may be required.

#### CANCELLATION OF SABBATICAL LEAVES OF ABSENCE

HYDE, VICTOR A., Professor of Community Planning—sabbatical leave of absence granted him for six months from September 1, 1963, is cancelled, without prejudice.

MCMAHON, WALTER W., Associate Professor of Economics—sabbatical leave of absence on one-half pay granted him for the academic year 1963-64 is cancelled, without prejudice.

#### CHANGES IN SABBATICAL LEAVES OF ABSENCE

LEWIS, OSCAR, Professor of Anthropology—sabbatical leave of absence granted him for the academic year 1963-64 on one-half pay has been changed to sabbatical leave during the first semester on full pay.

OSGOOD, CHARLES E., Research Professor of Communications Research, Director of the Institute of Communications Research, and Professor of Psychology—sabbatical leave of absence during 1963-64 changed from a full year at one-half pay to the first semester on full pay.

STICE, LESLIE F., Professor of Grain Marketing Extension (Agricultural Economics), in the Extension Service in Agriculture and Home Economics—sabbatical leave of absence granted him for the academic year 1963-64 on one-half pay has been changed to leave of absence, without pay, from July 1 through December 31, 1963, and sabbatical leave with full pay from January 1 through June 30, 1964.

WEST, VINCENT I., Professor of Price and Statistics (Agricultural Economics), in the College of Agriculture and in the Agricultural Experiment Station—sabbatical leave of absence granted him for the academic year 1963-64 on one-half pay or six months from February 1, 1964, on full pay, has been changed to leave of absence, without pay from September 1, 1963, through February 29, 1964, and sabbatical leave with full pay from March 1 through August 31, 1964.

#### RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session has been requested for consideration of reports and recommendations relating to property acquisitions.

On motion of Mrs. Watkins, an executive session was ordered, following a brief recess.

When the Board reconvened in executive session, the same members, officers of the Board, and officers of the University were present as recorded at the beginning of these minutes.

The Board considered the following matters of business.

#### PURCHASE OF PROPERTY AT 1206 WEST OREGON STREET, URBANA, ILLINOIS

(1) The Board of Trustees on June 19, 1963, authorized condemnation proceedings for the acquisition of property at 1206 West Oregon Street, Urbana, Illinois. Through subsequent negotiations, and prior to filing suit, a price of \$38,000



has been agreed upon for the purchase of this property, which is within the limit authorized by the Committee on Buildings and Grounds. It also appears to be the lowest price for which the property can be acquired without condemnation proceedings and incurring the resulting costs.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I recommend authorization of this purchase, and further recommend that the Board rescind its action of June 19 with respect to condemnation proceedings.

On motion of Mr. Pogue, the purchase of this property at the price recommended was authorized, and the resolution adopted by the Board on June 19, 1963, was rescinded; these actions were taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

#### FUNDS FOR THE PURCHASE OF MOVABLE EQUIPMENT

(2) As reported previously to the Board of Trustees, the Universities Building Fund (proceeds from funds secured from the sale of the State Bond Issue) may not be used to purchase movable equipment. The Board authorized a request to the Seventy-third General Assembly in the amount of \$4,779,500 for movable equipment for buildings financed by the State Bond Issue. The buildings include the following:

##### *Urbana-Champaign*

Addition to the Physics Building  
Addition to the Library  
Physical Plant Service Building  
Addition to the Electrical Engineering Building  
Turner Hall (Plant Sciences Building)  
Addition to the Armory

##### *Chicago Medical Center*

Addition to the Medical Sciences Building

The General Assembly did not appropriate such funds to the University from the General Revenue of the state, but rather declared the movable equipment "to be in the public interest," which authorizes the Illinois State Building Authority to borrow funds to purchase the equipment and to lease it to the University.

Some of the above listed buildings can be occupied in the fall of 1963 if movable equipment is available but purchase orders must be placed promptly to insure such availability. The Illinois Building Authority has not yet developed its procedures to a point which will enable it to borrow funds in time to permit the full occupancy of these buildings.

In consultation with the Illinois Building Authority, a procedure has been developed wherein the University of Illinois Foundation can secure short-term financing from the First National Bank of Chicago to buy approximately \$900,000 of the equipment needed for the buildings that will be ready for use this year. The Foundation would buy the equipment, lease it to the University of Illinois for a rental adequate to pay the Foundation's fiscal expenses, and, when the Building Authority is in a position to borrow money for movable equipment, it could then purchase the equipment from the Foundation and lease it to the University.

The First National Bank of Chicago has agreed to loan the Foundation up to \$900,000, the estimated cost of the equipment required, at an interest rate of  $2\frac{1}{2}$  per cent per annum.

The Vice-President and Comptroller recommends approval of this arrangement and requests authorization to execute a lease with the University of Illinois Foundation for movable equipment, the annual rental to be an amount equal to  $2\frac{1}{2}$  per cent per annum of the cost of the equipment and the term of which lease

would not extend beyond June 30, 1965. Funds for the payment of such rental are available in the General Reserve of the University.

On motion of Mr. Williamson, this recommendation was approved, and authority was given as requested by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

On motion of Mr. Johnston, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

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**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**September 18, 1963**



The September meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Wednesday, September 18, 1963, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Irving Dilliard, Mr. Earl M. Hughes, and Governor Otto Kerner were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. V. L. Kretschmer, Director of Auxiliary Services, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary. Mr. C. W. Sanford, Dean of Admissions and Records, was present at the beginning of the meeting.

**MINUTES APPROVED**

The Secretary presented the minutes of the meetings of the Board of Trustees on March 20 and April 17, 1963, press proof copies of which have previously been sent to the Board.

On motion of Mr. Pogue, these minutes were approved as printed on pages 419 to 482, inclusive.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**  
The Board took up consideration of the following reports and recommendations from the President of the University.

**PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

Dean of Admissions and Records C. W. Sanford presented a report on the enrollment for 1963-64 and then left the meeting.

**AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded to the following candidates who passed the standard written examination given in May, 1963, and who have fulfilled all other legal requirements under Sections 1, 2, and 3 of the Illinois Accountancy Act of 1943 as amended.

JOHN BLAIR ALVAREZ, Chicago, Illinois

ROBERT CHARLES ARMBRUSTER, Aurora, Illinois

JAMES THEODORE ARNOLD, Mount Prospect, Illinois

RONALD EMIL BAILITZ, Chicago, Illinois

RICHARD ERNEST BARTLE, Blue Island, Illinois

FRANCIS WILLIAM BAUER, Chicago, Illinois

DAVID ALAN BEIRIGER, Clarendon Hills, Illinois

DONALD HARVEY BENTSEN, Barrington, Illinois

ALAN BERKOVITZ, Chicago, Illinois

HUBERT LLOYD BERNHEIM, Chicago, Illinois

VICTOR HERBERT BEZMAN, Chicago, Illinois

RICHARD EARL BRANDWEIN, Chicago, Illinois

FRANK ANTHONY BRIODY, Chicago, Illinois

JAMES JAY BUCK, Jr., Peoria, Illinois

WILLIAM ELKAN BUFORD, Chicago Heights, Illinois

JAMES ELLSWORTH BURK, Oak Park, Illinois

ERNEST EUGENE CALL, Chicago, Illinois

DENNIS JAY CARLIN, Chicago, Illinois

ROBERT WILBUR CAUDILL, La Grange, Illinois

HOWARD STUART CHAPMAN, Chicago, Illinois

GERALD DAVID CHISS, Chicago, Illinois

WILLIAM RICHARD CHROSZY, Jr., Berwyn, Illinois

RICHARD BROCKMAN COHEN, Chicago, Illinois

LAWRENCE MATTHEW COHN, Chicago, Illinois

GEORGE TIMOTHY COLLERAN, Chicago, Illinois

EUGENE ANTHONY COSTABILE, Chicago, Illinois

EUGENE JOHN COVENEY, Oak Lawn, Illinois

DON ROBERT DASEKE, Elk Grove Village, Illinois

WILLARD JUHNKE DEFILIPPS, Chicago, Illinois

VIRGIL BRUNO DEL GHINGARO, Chicago, Illinois

JOHN JAMES DESMOND, Urbana, Illinois

THOMAS ARNOLD DEWINTER, Park Forest, Illinois

MERRILL DAVID DIEKEN, Champaign, Illinois

RAYMOND CURTIS DOCKWEILER, Urbana, Illinois

ANNE MARIE DONAHUE, Evanston, Illinois

PAUL EDWARD DUCKWORTH, Newman, Illinois

CHARLES ARTHUR DUNKEL, Chicago, Illinois

VON LELAND ELBERT, Villa Park, Illinois

ROLAND RAY EMERSON, Berwyn, Illinois

- STEPHEN NORMAN ENGBERG, Chicago, Illinois  
EDWARD ALBERT ENGEL, Morton Grove, Illinois  
SHELDON DAVID ENGEL, Chicago, Illinois  
JOSEPH EARLE ERNSTEEN, Chicago, Illinois  
ROBERT DOUGLAS FARR, Park Ridge, Illinois  
ROBERT JAMES FELLER, Chicago, Illinois  
JOSEPH EDGAR FLEMING, Fairfield, Illinois  
NORBERT ANTHONY FLOREK, Chicago, Illinois  
ALLEN ROBERT FREEDMAN, Chicago, Illinois  
IRVING FREIREICH, Hickory Hills, Illinois  
RODNEY JOHN FREITAG, Chicago, Illinois  
RONALD JOSEPH FRISCH, Chicago, Illinois  
BERNARD ROBERT GASSEMAN, Northbrook, Illinois  
RICHARD ERVIN GEORGE, JR., Addison, Illinois  
HARRY GOLDBIRSH, Chicago, Illinois  
ARNOLD DAVID GOLDSTEIN, Chicago, Illinois  
RICHARD ARNOLD GOODMAN, Chicago, Illinois  
GERALD LOUIS GOVERNILE, Chicago, Illinois  
RICHARD GLEN GRAF, Chicago, Illinois  
CHARLES DONALD GUSTAFSON, Arlington Heights, Illinois  
PHILIP MARC GUZZETTA, Glenview, Illinois  
DONALD LINDUS HADLEY, Hillside, Illinois  
JAMES ALLAN HAGAN, Chicago, Illinois  
FREDERIC LOUIS HAHN, Highland Park, Illinois  
JAMES EDWARD HALLER, Skokie, Illinois  
THOMAS CARTER HARKESS, Lombard, Illinois  
JOHN PARKER HARNESS, Chicago, Illinois  
MARY ELIZABETH HAUGH, Chicago, Illinois  
JAY EDMUND HECHTMAN, Evanston, Illinois  
RAY EDWARD HETTINGER, Aurora, Illinois  
JOHN DOUGLAS HEWITT, Urbana, Illinois  
DAVID EDWARD HILQUIST, Park Ridge, Illinois  
JACK HIMEL, Des Plaines, Illinois  
JOHN PATRICK HINES, Chicago, Illinois  
PAUL EDWARD HIPPLE, Charleston, Illinois  
RALPH ARTHUR HOFFMAN, Chicago, Illinois  
WALTER SCOTT HUFF, JR., Peoria, Illinois  
WILLIAM DAVID HUGHES, Chicago, Illinois  
MICHAEL DENNIS HUNT, Chicago, Illinois  
KATHRYN MARY ILIFF, Sycamore, Illinois  
RICHARD IZEN, Chicago, Illinois  
RICHARD DANIEL JACOBSON, Chicago, Illinois  
KENNETH LEROY JOHNSON, Park Forest, Illinois  
WAYNE ANTON JOHNSON, Urbana, Illinois  
ELIAS GUS KALOMIRIS, Chicago, Illinois  
DONALD JEROME KAMIN, Chicago, Illinois  
SHELBY H. KANARISH, Skokie, Illinois  
JEROLD KAREL, Chicago, Illinois  
RICHARD JOHN KASTEN, Glen Ellyn, Illinois  
WALTER MICHAEL KELLY, JR., Oak Park, Illinois  
MICHAEL ALAN KLEIMAN, Chicago, Illinois  
THEODORE HERMAN KOHL, Chicago, Illinois  
JOHN ANTHONY KOPECKY, Lake Villa, Illinois  
LOREN BERNARD KRAMER, Chicago, Illinois  
HAROLD KENNETH KROEGER, Chicago, Illinois  
HARVEY NORMAN KUPFER, Chicago, Illinois  
CHARLES RUDER LAFF, Lincolnwood, Illinois  
BENJAMIN EARL LINSKY, Chicago, Illinois  
DON GALEN LOCKHART, Champaign, Illinois  
MICHAEL RAYMOND LOONEY, Chicago, Illinois  
ANTHONY MARIO MANDOLINI, Niles, Illinois  
CRAIG LEE MARION, Rockford, Illinois  
DAVID AARON MASON, Chicago, Illinois  
LLOYD MILTON MCCLURE, Beardstown, Illinois  
WILLIAM GRIFFITH MCMILLAN, Chicago, Illinois  
JOHN JOSEPH MENAS, Chicago, Illinois  
WILLIAM EDGAR MERCER, Neponset, Illinois  
EDMUND ROBERT MEYER, JR., Palatine, Illinois  
ROGER JOHN MODDER, Chicago, Illinois  
JAMES SYDNEY MORRIS, Chicago, Illinois  
STUART ANDREW MORRIS, Chicago, Illinois

- EDWARD JAMES MUDRA, North  
Riverside, Illinois  
ROBERT WILLIAM MUHS, Skokie, Illinois  
JOHN HENRY MULHERN, JR., Chicago,  
Illinois  
ALVIN JOHN MUNSTERMAN, JR.,  
Western Springs, Illinois  
HAROLD RICHARD MURPHY, Decatur,  
Illinois  
BERNARD ALOYSIUS NABOROWSKI,  
Chicago, Illinois  
IRA STANLEY NATHAN, Chicago, Illinois  
EDWIN JOHN NEMEC, Western Springs,  
Illinois  
THOMAS JAMES NESSINGER, Chicago,  
Illinois  
LOUIS HARLIN NEWTON, Mount  
Prospect, Illinois  
PAUL ARTHUR NORBERG, Chicago,  
Illinois  
PATRICK MARY O'CONNOR, Chicago,  
Illinois  
ALAN PAUL OLSCHWANG, Chicago,  
Illinois  
EDWARD THOMAS OSSMAN, Des Plaines,  
Illinois  
MICHAEL NEIL OWEN, Park Forest,  
Illinois  
RICHARD FRANKLIN PAGE, Glenview,  
Illinois  
SIMON REED PEARLMAN, Chicago,  
Illinois  
ARTHUR DONALD PERRONE, JR., Chicago,  
Illinois  
RONALD CARL PETERS, Chicago, Illinois  
WILLIAM EDWARD PETERSON,  
Collinsville, Illinois  
FRANK KING PHELPS, Oak Lawn,  
Illinois  
LAWRENCE CHARLES PRAZAK, Riverside,  
Illinois  
IRA L. PRITZKER, Peoria, Illinois  
RODNEY ANDREW RAWLS, Chicago,  
Illinois  
ROBERT DALE READY, Riverdale, Illinois  
ARTHUR ROBERT REELAND, Chicago,  
Illinois  
JEROME PHILIP REHAUT, Chicago,  
Illinois  
ROBERT WILLIAM RENINGER, Niles,  
Illinois  
JERALD FRED RICHMAN, Chicago,  
Illinois  
RICHARD GEORGE ROBERTS, JR., Chicago,  
Illinois  
RONALD CARL ROBERTSON, Elmhurst,  
Illinois  
THEODORE HEAVENRICH ROBINSON,  
Chicago, Illinois  
JOHN HARRISON SAXTON, Peru, Illinois  
MARGARET EVELYN SCHABOW,  
Bensenville, Illinois  
KENNETH IRWIN SCHANER, Chicago,  
Illinois  
TERRY MICHAEL SCHLADE, Chicago,  
Illinois  
JERRY LEE SELER, Urbana, Illinois  
PAUL FREDERICK JEFFERSON SELLERS,  
Orlando, Florida  
JERRY ELLIS SERLIN, Chicago, Illinois  
MYRON DAVID SHAPIRO, Chicago,  
Illinois  
WILLIAM JOSEPH SHARPITIS, Cicero,  
Illinois  
THOMAS EUGENE SHEPPERD, Champaign,  
Illinois  
NICHOLAS CHARLES SHORTINO,  
Carpentersville, Illinois  
ROBERT FLETCHER SHUCK III, Chicago,  
Illinois  
WILLIAM FREDERICK SKEMP, Chicago,  
Illinois  
KENNETH IRA SOLOMON, Chicago,  
Illinois  
ORPHEUS JAVARAS SOPRANOS, Chicago,  
Illinois  
FREDERICK LOUIS SPECHT, Chicago,  
Illinois  
JAMES ARTHUR STARK, Northbrook,  
Illinois  
EDWARD STEGMAN, Aurora, Illinois  
MAURICE ALBERT STEINER, Chicago,  
Illinois  
SCOTT FREDERIC STERNFIELD, Chicago,  
Illinois  
GEORGE RICHARD STEVENS, Cicero,  
Illinois  
HARRY EFFINGER STEWART, Champaign,  
Illinois  
ROBERT LEE STONE, Champaign, Illinois  
MASON DENNIS SULLIVAN, Oak Park,  
Illinois  
DONALD EDWARD SWARTZ, Naperville,  
Illinois  
DONALD ODEAN TEIGEN, Chicago,  
Illinois  
KENNETH RUSSELL TODD, JR., Chicago,  
Illinois  
HARRY WING TONG, Chicago, Illinois  
DAVID EDWIN TRIMBLE, Brookfield,  
Illinois  
JOE ARDEN TRINE, Urbana, Illinois  
RICHARD WAYNE TRUELICK, Chicago,  
Illinois  
GUST SAM VALLAS, Chicago, Illinois  
VERL ROBERT VAN DYKE, Forest Park,  
Illinois  
JAMES SUTTON VAN PELT, JR.,  
Washington, D.C.

WALTER JOHN FREDRICK WADMAN, Glenview, Illinois	WARREN LeROY WHITE, Chicago, Illinois
MARK CRAVEN WALKER, JR., Chicago, Illinois	HENRY EDWARD WIERENGA, Cicero, Illinois
GERALD MICHAEL WALSH, Chicago, Illinois	EDWARD ALLEN WILLIAMS, Chicago, Illinois
HAROLD RICHARD WARMAN, Arlington Heights, Illinois	DENNIS WILBERT WILLIAMSON, Skokie, Illinois
ROBERT RAVEN WEAVER, Rockford, Illinois	ELWYN CHARLES WINLAND, Mt. Prospect, Illinois
JOHN HERBERT WELLMAN, Jacksonville, Illinois	RONALD JOHN WITEK, Oak Lawn, Illinois
DONALD JOHN WERNER, Champaign, Illinois	WAYNE WESLEY WOLF, La Grange Park, Illinois
WILLIAM FREDRICK WERTH, Evanston, Illinois	STEVEN EDWARD WOLLACK, Skokie, Illinois
THOMAS DENNIS WHITE, Champaign, Illinois	HOWARD YEFSKY, Chicago, Illinois

The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
WILLIAM PAUL AUSMAN	Lawrenceville, Illinois	Alabama
MERLIN MURRAY BAILEY	Indianapolis, Indiana	Indiana
WALTER P. BOYD	Phoenix, Arizona	Arizona
CHARLES VINCENT DOHERTY	Chicago, Illinois	Pennsylvania
EARL WILLIAM DRUEHL	Davenport, Iowa	Iowa
ROBERT EARLE HEARNES	Charleston, Missouri	Missouri
GEORGE FREDERICK HELLER	Wilmette, Illinois	Indiana
PAUL ALLEN HENDRIX	Cape Girardeau, Missouri	Missouri
JOHN ADOLPH NESBIT	Belleville, Illinois	Missouri
BOB R. RITCHHART	Indianapolis, Indiana	Indiana
DONALD MAURICE UREEL	Western Springs, Illinois	Michigan

I concur.

On motion of Mr. Swain, these certificates were awarded.

#### ADVISORY COMMITTEE FOR THE DIVISION OF UNIVERSITY EXTENSION

(2) The Dean of the Division of University Extension recommends the following appointments to the Division of University Extension Advisory Committee for two years beginning September 1, 1963.

##### *Representatives of the University*

PROFESSOR VAN MILLER, College of Education

PROFESSOR PHILLIP MONYPENNY, Department of Political Science

These appointees replace Professor Harvey W. Huegy, Head, Department of Marketing, and Professor George W. White, Head, Department of Geology, whose terms have expired.

Other representatives of the University on the Committee are: Professor Charles K. Brightbill, Head, Department of Recreation and Municipal Park Administration; Professor Warren F. Doolittle, Jr., Department of Art; and Professor Kenneth J. Trigger, Department of Mechanical and Industrial Engineering.



*Non-University Representatives*

CURT E. ECKERT, Eckerts, Inc., Rural Route 1, Belleville

C. GROETEKE, Illinois State Representative, American Federation of State, County, and Municipal Employees, Room 228, United Mine Workers Building, Fourth and Monroe Streets, Springfield

W. G. YOUNG, President, Case Manufacturing Company, Robinson

These appointees replace Russell L. Guin, President, Interstate Printers and Publishers, Inc., Danville; Lloyd McBride, Sub-district Director, United Steelworkers of America, Granite City; and Earl I. Swords, President of Peoria Tractor Company, Peoria, whose terms have expired.

Other non-University representatives are William R. McIntosh, Superintendent, Rockford Public Schools, 201 South Madison Street, Rockford; and Gerald Plank, Director, Department of Personnel, Caterpillar Tractor Company, Joliet.

I concur.

On motion of Mr. Johnston, these appointments were approved.

**APPOINTMENTS TO THE FACULTY**

(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. SAMUEL M. ADLER, Visiting Professor of Art and Associate Member of the Center for Advanced Study, for four and one-half months from February 1, 1964, at a salary of \$7,000.
2. JOSEPH AGASSI, Associate Professor of Philosophy, for three years beginning September 1, 1963, at an annual salary of \$11,500.
3. RENE AMON, Assistant Professor of Engineering, Chicago Undergraduate Division, beginning September 1, 1963, at an annual salary of \$7,250.
4. RICHARD C. ANDERSON, Research Assistant Professor of Educational Psychology, beginning September 1, 1963, at an annual salary of \$10,500.
5. ROBERT B. ASH, Associate Professor of Electrical Engineering, beginning September 1, 1963, at an annual salary of \$10,000.
6. DAVID J. BORDUA, Associate Professor of Sociology, beginning March 1, 1964, at an annual salary of \$10,500.
7. ESTHER LOUISE BROWN, Assistant Professor of Home Economics, beginning September 1, 1963, at an annual salary of \$10,000.
8. GEOFFREY BRUUN, Visiting Professor of History and in the Division of General Studies, for the academic year 1963-64, at a salary of \$20,000.
9. ALVIN G. BURSTEIN, Assistant Professor of Psychology, Department of Psychiatry, College of Medicine, beginning September 1, 1963, at an annual salary of \$10,500.
10. JOHN C. CLARKE, Assistant Professor of English, beginning September 1, 1963, at an annual salary of \$7,300.
11. AUGUSTUS I. DHAR, Assistant Professor of Physics, Chicago Undergraduate Division, beginning September 1, 1963, at an annual salary of \$8,600.
12. MARTIN L. EICHMAN, Assistant Professor of Pharmacy, beginning September 2, 1963, at an annual salary of \$8,600.
13. JOHN J. GILMAN, Professor of Physics and of Metallurgy, in the Department of Physics and the Department of Mining, Metallurgy, and Petroleum Engineering, beginning September 1, 1963, at an annual salary of \$18,500.
14. GENE S. GILMORE, Assistant Professor of Journalism, beginning September 1, 1963, at an annual salary of \$8,200.
15. FRANK GOLDBY, Visiting Professor of Anatomy, College of Medicine, for nine months from September 1, 1963, at a salary of \$13,995.
16. HENRY HARAF, Visiting Professor of Education, Bureau of Educational Research, beginning September 1, 1963, at an annual salary of \$13,200.
17. JOHN D. HENDERSON, Visiting Professor of Library Science, Graduate School of Library Science, for the second semester of 1963-64, at a salary of \$5,700.
18. MARGARET M. HEYMAN, Assistant Professor in the Jane Addams Graduate School of Social Work, beginning September 1, 1963, on one-fifth time, at an annual salary of \$2,000.

19. GEORGE A. HINDS, Professor of Architecture, Chicago Undergraduate Division, beginning September 1, 1963, at an annual salary of \$10,000.
20. HIROHIDE HINOMOTO, Assistant Professor of Industrial Administration, beginning September 1, 1963, at an annual salary of \$9,200.
21. PAUL T. HOFFMAN, Visiting Associate Professor of German, for the first semester of 1963-64, at a salary of \$5,000.
22. JOANNE HOLDEN, Assistant Professor of Nursing, from September 30, 1963, through December 21, 1963, on three-tenths time, at a salary of \$900.
23. NICK HOLONYAK, JR., Professor of Electrical Engineering, beginning September 1, 1963, at an annual salary of \$15,000.
24. JAMES C. HÖRGER, Visiting Assistant Professor of Educational Psychology, College of Education, for the academic year 1963-64, at a salary of \$9,000.
25. JOHN L. HUDSON, Assistant Professor of Chemical Engineering, Department of Chemistry and Chemical Engineering, beginning September 1, 1963, at an annual salary of \$7,800.
26. JOAN M. KING, Assistant Professor of Nursing, beginning September 1, 1963, at an annual salary of \$9,000.
27. FRANK B. KNIGHT, Visiting Assistant Professor of Mathematics, for one year from September 1, 1963, at a salary of \$8,500.
28. JOSEPH R. LARSEN, JR., Assistant Professor of Entomology, in the Department of Entomology and the Department of Physiology and Biophysics, for two months from July 1, 1963, at a salary of \$2,000, and from September 1, 1963, at an annual salary of \$9,000.
29. ARNOLD LEARNER, Assistant Professor of Mathematics, beginning September 1, 1963, at an annual salary of \$8,500.
30. JACK N. LEWIS, Visiting Professor of Agricultural Economics, for one year from September 1, 1963, on one-half time, at a salary of \$7,200.
31. HENRY MAYER, Visiting Professor of Political Science, for the second semester of 1963-64, at a salary of \$7,000.
32. GUY B. MAYNARD, JR., Assistant Professor of Hygiene and Staff Physician, in the Health Center and McKinley Hospital, beginning September 1, 1963, at an annual salary of \$17,000.
33. VIRGINIA M. OHLSON, Associate Professor of Nursing, beginning September 1, 1963, on one-fifth time, at an annual salary of \$2,060; beginning January 1, 1964, on full time, at an annual salary of \$10,300.
34. HERSHEL PARKER, Assistant Professor of English, beginning September 1, 1963, at an annual salary of \$7,000.
35. PRAMOD PATHAK, Visiting Assistant Professor of Mathematics, for one year from September 1, 1963, at a salary of \$8,500.
36. SHELTON J. PLAGER, Visiting Associate Professor of Law, beginning September 1, 1963, at an annual salary of \$14,700.
37. RICHARD L. PRAIRIE, Assistant Professor of Biochemistry, Department of Chemistry and Chemical Engineering, beginning September 1, 1963, at an annual salary of \$7,400.
38. RONALD A. ROHRER, Assistant Professor in the Department of Electrical Engineering and in the Coordinated Science Laboratory, beginning September 1, 1963, at an annual salary of \$8,800.
39. MAHENDAR K. SINGAL, Visiting Assistant Professor of Mathematics, for one year from September 1, 1963, at a salary of \$7,000.
40. EDITH D. STANLEY, Research Assistant Professor of Medicine, beginning September 1, 1963, at an annual salary of \$9,000.
41. RONALD W. STERKEL, Associate Professor of Art, beginning September 1, 1963, at an annual salary of \$9,500.
42. GALEN D. STUCKY, Assistant Professor of Inorganic Chemistry, Department of Chemistry and Chemical Engineering, beginning January 1, 1964, at an annual salary of \$7,800.
43. GAISI TAKEUTI, Visiting Associate Professor of Mathematics, for one year from September 1, 1963, at a salary of \$10,000.
44. ANNE E. TRASK, Assistant Professor in the Bureau of Educational Research, beginning September 1, 1963, at an annual salary of \$10,000.
45. LEONARD P. ULLMAN, Visiting Associate Professor of Psychology, for one year from September 1, 1963, at a salary of \$10,650.

46. Jo ANNE WHITAKER, Associate Professor of Pediatrics, assigned to the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, for two years from August 16, 1963, at an annual salary of \$17,000.

On motion of Mrs. Watkins, these appointments were confirmed.

#### APPOINTMENT OF STAFF ASSOCIATE IN THE PRESIDENT'S OFFICE

(4) I have approved the appointment of Colonel Clair M. Worthy, U.S.A., Professor and Head of the Department of Military Science, who is retiring from active service in the Army, as Staff Associate in the Office of the President and Associate Director of the Citizens Committee, beginning October 1, 1963, at an annual salary of \$7,500 on a twelve-month service basis and request confirmation of this action.

Colonel Worthy will have responsibility for local hospitality to distinguished guests, both from abroad and from other universities in this country. Because of his background and experience, he will be able to deal graciously with important visitors, and will make a real contribution both to saving staff time and to improving our handling of visitors.

In addition, Colonel Worthy will work with the Director of the Citizens Committee in making arrangements for meetings and follow-up activities, as well as handling the event at the time of the meeting.

On motion of Mr. Pogue, this appointment was confirmed.

#### APPOINTMENT OF ACTING DEAN OF THE GRADUATE COLLEGE

(5) On recommendation of the Executive Committee of the Graduate College, and with the concurrence of the Executive Vice-President and Provost, I have appointed Dr. Herbert E. Carter, Professor of Biochemistry and Head of the Department of Chemistry and Chemical Engineering, as Acting Dean of the Graduate College, beginning September 1, 1963, at an additional salary at an annual rate of \$1,000 for this administrative service.

He will succeed Dr. F. T. Wall, who has asked to be relieved of this administrative assignment in order to devote full time to teaching and research.

Confirmation of this action is requested.

On motion of Mr. Swain, this appointment was confirmed.

#### NONSALARIED FACULTY OF THE COLLEGE OF MEDICINE. 1963-1964

(6) I present the following list of appointments to the nonsalaried faculty of the College of Medicine for the academic year beginning September 1, 1963.

The designation "Rush" in a title is used to identify former members of the Rush Medical College faculty who were taken over by the University in 1941 as part of the affiliation with the former Presbyterian Hospital, now Presbyterian-St. Luke's Hospital, by authority of the Board of Trustees.

The list includes new appointments and reappointments. Professors and Associate Professors who have been on indefinite tenure in the past are being continued in that status. However, all new appointments at, or promotions to, the rank of Associate Professor are for one year (indicated by the symbol "DY"), and subsequent reappointments of such staff members will be on an annual basis.

On motion of Mrs. Watkins, these appointments were approved as listed below.

Summary			
Department	1962-63	1963-64	
Anatomy	5 (1)*	5 (1)	
Biological Chemistry	15	13	
Dermatology	28 (3)	28 (2)	
Medical Social Work	2	4	
Medicine	286 (27)	305 (29)	
Microbiology	5 (1)	6	
Neurology and Neurological Surgery	11 (1)	17 (1)	
Obstetrics and Gynecology	97 (2)	100 (4)	
Ophthalmology	50 (4)	56 (4)	

\* The figures in parentheses indicate the number of emeritus members.

<i>Department</i>	<i>1962-63</i>	<i>1963-64</i>
Orthopaedic Surgery . . . . .	27 (2)	30 (2)
Otolaryngology . . . . .	69 (8)	74 (9)
Pathology . . . . .	40 (2)	46 (2)
Pediatrics . . . . .	78 (7)	85 (5)
Pharmacology . . . . .	3	3
Physical Medicine and Rehabilitation . . . . .	5	4
Physiology . . . . .	2 (1)	2 (1)
Preventive Medicine . . . . .	11 (1)	11 (1)
Psychiatry . . . . .	124 (2)	136 (2)
Public Health . . . . .	7	6
Radiology . . . . .	30 (1)	25 (1)
Surgery (including Urology and Anesthesiology) . . . . .	221 (11)	233 (13)
<i>Total</i> . . . . .	<i>1 116 (74)</i>	<i>1 189 (77)</i>

### Anatomy

GUSTAVE L. ZECHEL, Lecturer with the rank of Associate Professor, *Emeritus*  
 PHILIP CASELLA, Clinical Assistant Professor  
 ARTHUR F. CIPOLLA, Clinical Assistant Professor  
 FRANK A. VICARI, Clinical Assistant Professor  
 DWIGHT D. DAVIS, Lecturer

### Biological Chemistry

MAX K. HORWITT, Professor  
 MAX E. RAFELSON, JR., Professor  
 HERMANN G. MATTENHEIMER, Associate Professor (DY)<sup>1</sup>  
 RICHARD D. COLEMAN, Assistant Professor  
 ALVIN DUBIN, Assistant Professor  
 CLARENCE F. DECKER, Assistant Professor  
 ALVIN J. GLASKY, Assistant Professor  
 JAMES A. HAYASHI, Assistant Professor  
 TOHRU INOUE, Assistant Professor  
 CHARLES F. LANGE, Assistant Professor  
 JOSEPH SAMACHSON, Assistant Professor  
 HOWARD H. SKY-PECK, Assistant Professor  
 HYOGO SINOHARA, Research Associate

### Dermatology

LEONARD F. WEBER, Clinical Professor, *Emeritus*  
 CLARK W. FINNERUB, Clinical Associate Professor (Rush), *Emeritus*  
 ALFRED B. FALK, Clinical Associate Professor  
 PAUL R. GRIFFITH, Clinical Associate Professor  
 JOHN B. HAEERLIN, Clinical Associate Professor  
 IRENE NEUHAUSER, Clinical Associate Professor  
 MILTON ROBIN, Clinical Associate Professor  
 ALBERT H. SLEPYAN, Clinical Associate Professor  
 SIDNEY BARSKY, Clinical Associate Professor (DY)  
 SAMUEL W. BECKER, JR., Clinical Associate Professor (DY)  
 STEFAN BIELINSKI, Clinical Assistant Professor  
 IRVING H. DISTELHEIM, Clinical Assistant Professor  
 ALLEN S. PEARL, JR., Clinical Assistant Professor  
 LOUIS RUBIN, Clinical Assistant Professor  
 EDWIN M. SMITH, Clinical Assistant Professor

<sup>1</sup> The symbol DY indicates the appointment for one year from September 1, 1963, on a twelve-month service basis, and is used here to designate those who are being appointed to the rank of Associate Professor for one year only. Where the symbol DY does not appear, the appointment of a Professor or an Associate Professor is on indefinite tenure.

<sup>2</sup> Also Resident at Presbyterian-St. Luke's Hospital.

<sup>3</sup> Also Resident at Research and Educational Hospitals.

<sup>4</sup> Also Resident at Hines Veterans Administration Hospital.

<sup>5</sup> Also Resident at Research and Educational Hospitals and Illinois Eye and Ear Infirmary.  
<sup>6</sup> Also Resident at Research and Educational Hospitals, assigned to the Institute for Juvenile Research.

<sup>7</sup> Also Resident at Cook County Hospital.

BERNARD YAFFE, Clinical Assistant Professor  
IRMA ALESHIRE, Clinical Instructor  
CHESTER L. KROLL, Clinical Instructor  
JOHN D. MCGRAE, JR., Clinical Instructor (fourteen months from July 1, 1963)  
HAROLD M. SPINKA, Clinical Instructor  
SEYMOUR WEINSTEIN, Clinical Instructor  
BRUCE B. BURGESS, Assistant  
SYDNEY A. DIAMOND, Assistant  
HARVEY J. FAGELSON, Assistant (one year from July 1, 1963)\*  
JACK M. FOX, Assistant  
RAYMOND M. HANDLER, Assistant\*  
WILFRIED L. SCHMEROLD, Clinical Assistant  
JOSEPH R. SHANNON, Assistant (eleven months from August 1, 1963)\*

#### Medical Social Work

NANCY V. GILSON, Assistant Professor  
DOROTHY N. MURPHY, Assistant Professor  
RENEE E. HACK, Instructor  
LOIS A. MCFADDEN, Instructor

#### Medicine

WALTER C. ALVAREZ, Lecturer in Medicine with rank of Professor, *Emeritus*  
AARON ARKIN, Clinical Professor (Rush), *Emeritus*  
JAMES B. EYERLY, Clinical Professor (Rush), *Emeritus*  
LOUIS FELDMAN, Clinical Professor, *Emeritus*  
MORRIS FISHBEIN, Lecturer in Medicine with rank of Professor (Rush), *Emeritus*  
ELLIS B. FREILICH, Clinical Professor, *Emeritus*  
WILLIAM G. HIBBS, Clinical Professor (Rush), *Emeritus*  
FRANK B. KELLY, Clinical Professor (Rush), *Emeritus*  
WILBER E. POST, Clinical Professor (Rush), *Emeritus*  
SIDNEY STRAUSS, Clinical Professor, *Emeritus*  
WILLIAM A. THOMAS, Clinical Professor (Rush), *Emeritus*  
ALBERT VANDERKLOOT, Clinical Professor, *Emeritus*  
WILLARD L. WOOD, Clinical Professor (Rush), *Emeritus*  
EVAN M. BARTON, Clinical Professor (Rush)  
JAMES A. CAMPBELL, Professor  
RICHARD B. CAPPS, Clinical Professor  
PAUL HELLER, Professor  
HAROLD C. LUETH, Clinical Professor  
KARL H. PFUETZE, Clinical Professor  
THEODORE B. SCHWARTZ, Professor  
GEORGE W. STUPPY, Clinical Professor (Rush)  
BENJAMIN GOLDBERG, Clinical Associate Professor, *Emeritus*  
ALVA A. KNIGHT, Clinical Associate Professor (Rush), *Emeritus*  
FRANK B. LUSK, Clinical Associate Professor, *Emeritus*  
SAMUEL PERLSTEIN, Clinical Associate Professor, *Emeritus*  
HOWARD M. SHEAFF, Clinical Associate Professor (Rush), *Emeritus*  
EUGENE F. TRAUT, Clinical Associate Professor (Rush), *Emeritus*  
RALPH W. TRIMMER, Clinical Associate Professor (Rush), *Emeritus*  
HOWARD WAKEFIELD, Clinical Associate Professor, *Emeritus*  
MELVIN L. AFREMOW, Clinical Associate Professor  
ARTHUR BERNSTEIN, Clinical Associate Professor  
HERBERT C. BREUHAUS, Clinical Associate Professor (Rush)  
GEORGE V. BYFIELD, Clinical Associate Professor  
THOMAS J. COOGAN, Clinical Associate Professor  
JACOB W. FISCHER, Clinical Associate Professor  
MURRAY FRANKLIN, Clinical Associate Professor  
JOHN S. GRAETTINGER, Associate Professor  
EARLE GRAY, Clinical Associate Professor (Rush)  
EDWIN N. IRONS, Clinical Associate Professor  
ROBERT O. LEVITT, Clinical Associate Professor  
MEYER R. LICHTENSTEIN, Clinical Associate Professor  
ARMAND LITTMAN, Associate Professor

CLAYTON J. LUNDY, Clinical Associate Professor (Rush)  
J. CHARLES McMILLAN, JR., Clinical Associate Professor  
MILTON M. MOSKO, Clinical Associate Professor  
JEROME T. PAUL, Clinical Associate Professor  
ISADORE PILOT, Clinical Associate Professor  
THEODORE Z. POLLEY, Clinical Associate Professor  
EUGENE J. RANKE, Clinical Associate Professor  
SAMUEL H. ROSENBLUM, Clinical Associate Professor  
WILLIAM SAPHIR, Clinical Associate Professor  
ARMIN F. SCHICK, Clinical Associate Professor (Rush)  
JAMES A. SCHOENBERGER, Clinical Associate Professor  
MITCHELL A. SPELLBERG, Clinical Associate Professor  
IRVING E. STECK, Clinical Associate Professor  
FRANK E. TROBAUGH, JR., Associate Professor  
MAX BERG, Clinical Associate Professor (DY)  
LIONEL M. BERNSTEIN, Associate Professor (DY)  
GEORGE H. BERRYMAN, Clinical Associate Professor (DY)  
ANGELO P. CRETICOS, Clinical Associate Professor (DY)  
AARON GUNTHER, Clinical Associate Professor (DY)  
WILLIAM J. HAND, Clinical Associate Professor (DY)  
JANET R. KINNEY, Clinical Associate Professor (DY)  
SHELDON E. KRASNOW, Clinical Associate Professor (DY)  
JULES H. LAST, Clinical Associate Professor (DY)  
BERTRAM G. NELSON, Clinical Associate Professor (Rush) (DY)  
LAWRENCE PERLMAN, Clinical Associate Professor (DY)  
ROBERT M. POSKE, Clinical Associate Professor (DY)  
MARJORIE M. PYLE, Clinical Associate Professor (DY)  
PAUL RAVENNA, Clinical Associate Professor (DY)  
PAUL J. SANAZARO, Clinical Associate Professor (DY)  
JOHN T. SHARP, Clinical Associate Professor (DY)  
GRAHAM A. VANCE, Clinical Associate Professor (DY)  
GERALD A. WILLIAMS, Clinical Associate Professor (DY)  
LEO E. AMTMAN, Clinical Assistant Professor, *Emeritus*  
JOHN A. GARDINER, Clinical Assistant Professor (Rush), *Emeritus*  
BENJAMIN H. HILKEVITCH, Clinical Assistant Professor (Rush), *Emeritus*  
GRANT H. LAING, Clinical Assistant Professor, *Emeritus*  
OSMUND H. AKRE, Clinical Assistant Professor  
DAVID BALDWIN, Clinical Assistant Professor  
ROBERT J. BECKER, Clinical Assistant Professor  
HERBERT E. BESSINGER, Clinical Assistant Professor  
ALBIN M. BRIKEY, JR., Clinical Assistant Professor  
RALPH G. BROWN, Clinical Assistant Professor  
RICHARD A. CARLETON, Assistant Professor  
CHESTER COGGESHALL, Clinical Assistant Professor  
NICHOLAS V. COSTEA, Assistant Professor (fourteen months from July 1, 1963)  
JOHN A. DETWEILER, Clinical Assistant Professor  
HENRY D. DEYOUNG, Clinical Assistant Professor  
MICHAEL M. DIGILIO, Clinical Assistant Professor  
DEAN F. DIMICK, Clinical Assistant Professor  
PETER J. FARAGO, Clinical Assistant Professor  
ROBERT E. FELIX, Clinical Assistant Professor  
BENUM W. FOX, Clinical Assistant Professor  
DONALD T. FOXWORTHY, Clinical Assistant Professor  
SANFORD A. FRANZBLAU, Clinical Assistant Professor  
ROBERT C. FRUIN, Clinical Assistant Professor  
RAYMOND M. GALT, Clinical Assistant Professor  
MORTON A. GOLDMANN, Clinical Assistant Professor  
BUFORD HALL, Clinical Assistant Professor  
HARRY L. HUNTER, Clinical Assistant Professor  
FRANK W. JONES, Clinical Assistant Professor  
PHILIP N. JONES, Clinical Assistant Professor  
BENJAMIN M. KAPLAN, Clinical Assistant Professor  
ERVIN KAPLAN, Clinical Assistant Professor

ROLAND L. KESLER, Clinical Assistant Professor (Rush)  
WALLACE W. KIRKLAND, Jr., Clinical Assistant Professor  
SYDNEY KOFMAN, Assistant Professor  
CHARLES H. LAWRENCE, Clinical Assistant Professor  
BRUCE D. LEE, Clinical Assistant Professor  
JEROME S. MEHLMAN, Clinical Assistant Professor  
MORGAN M. MEYER, Clinical Assistant Professor  
THOMAS MORRISON, Clinical Assistant Professor  
ROBERT C. MUEHRCKE, Clinical Assistant Professor  
JOSEPH J. MUENSTER, Jr., Assistant Professor  
JOHN R. NECHELES, Clinical Assistant Professor  
JOSEPH R. NORA, Clinical Assistant Professor  
JOHN POST, Clinical Assistant Professor (Rush)  
OLDRICH PREC, Clinical Assistant Professor  
SOPHIE J. PRESLEY, Clinical Assistant Professor  
ALEXANDER N. RUGGIE, Clinical Assistant Professor  
SEYMOUR R. SALBERG, Clinical Assistant Professor  
ANTHONY R. SAPIENZA, Clinical Assistant Professor  
HAROLD SCHOOLMAN, Clinical Assistant Professor  
HAROLD A. SHAFTER, Clinical Assistant Professor  
ROBERT E. SLAYTON, Clinical Assistant Professor  
DONALD W. TARUN, Clinical Assistant Professor  
ANDREW THOMSON, Assistant Professor  
ANGELO TOIGO, Clinical Assistant Professor  
SEYMOUR W. WEISBERG, Clinical Assistant Professor  
EDWARD J. WISS, Clinical Assistant Professor  
ALEXANDER WOLF, Clinical Assistant Professor  
CHARLES K. WOLFE, Jr., Clinical Assistant Professor  
SIMON ZIVIN, Clinical Assistant Professor  
HUGO O. DEUSS, Lecturer  
WILLIAM S. HOFFMAN, Lecturer  
HERMAN A. LEVY, Lecturer  
OGLESBY PAUL, Lecturer  
ALFRED H. ROSENBLUM, Lecturer  
FREDERICK SARGENT, II, Lecturer  
ELIZABETH K. STRAUS, Lecturer (Rush)  
JOHN H. TALBOTT, Lecturer  
LUKE J. GRIMELLI, Clinical Associate, *Emeritus*  
EUGENE GROSZ, Clinical Associate, *Emeritus*  
ROBERT N. HEDGES, Clinical Associate, *Emeritus*  
J. LISLE WILLIAMS, Associate, *Emeritus*  
FRANK C. CARTER, Clinical Associate  
JOHN L. CIRZAN, Clinical Associate  
G. WILLIAM COTTS, Clinical Associate  
JOSEPH A. DAVIS, Clinical Associate  
GEORGE A. DEJONG, Clinical Associate  
RAMON H. GARCIA-CAMILO, Research Associate (one year from July 1, 1963)  
CARL A. HEDBLUM, Jr., Clinical Associate  
ROBERT L. HERTING, Clinical Associate  
WILLIAM H. HIGHSTONE, Clinical Associate  
WALTER F. HOEPPNER, Clinical Associate  
NATHAN J. IGLITZEN, Clinical Associate  
LOUIS C. JOHNSTON, Clinical Associate  
IRENE G. KAGANIEC, Clinical Associate  
WILLIAM J. KIRBY, Clinical Associate (Rush)  
EUGENE S. KRASNOW, Clinical Associate  
AUDLEY R. MAMBY, Clinical Associate  
WAYNE E. MATHY, Clinical Associate  
SAMUEL MATLIN, Clinical Associate  
PETER S. MAYER, Clinical Associate  
PAUL A. MEREDITH, Clinical Associate  
CLARK A. MONTGOMERY, Clinical Associate  
BILL P. MADUROS, Clinical Associate

DONALD E. O'BRIEN, Clinical Associate  
JOSHUA ODEN, Jr., Clinical Associate  
GLOUCESTER A. PRICE, Jr., Clinical Associate  
ANITA ROBBINS, Clinical Associate  
RIGBY C. ROSKELLEY, Clinical Associate  
RALPH A. SCALA, Clinical Associate  
JEROME F. STRAUSS, Jr., Clinical Associate  
KASRIEL TAUSK, Clinical Associate  
RAYMOND TEPLITZ, Clinical Associate  
CHESTER B. THRIFT, Clinical Associate  
CHARLES S. VIL, Clinical Associate  
EARL A. VONDRASEK, Clinical Associate  
JAMES R. ZVETINA, Clinical Associate  
EARL T. ANDERSON, Instructor (one year from July 1, 1963)  
ALAN R. ARONSON, Clinical Instructor  
FRANK O. BECKER, Clinical Instructor (fourteen months from July 1, 1963)  
SAMUEL BERGER, Clinical Instructor  
BERNARD B. BLAAUW, Jr., Instructor (one year from July 1, 1963)<sup>1</sup>  
WILLIAM V. BLAZEK, Instructor (on leave of absence for military service) (fourteen months from July 1, 1963)  
JEB BOSWELL, Clinical Instructor (two months from July 1, 1963)  
ALLEN F. BOWYER, Instructor (one year from July 1, 1963)  
ROBERT W. BOXER, Clinical Instructor  
JOSEPH T. BRANIT, Clinical Instructor  
WILLIAM C. BROWN, Clinical Instructor  
MILDA BUDRYS, Clinical Instructor  
RAMON E. CASAS, Clinical Instructor  
JAMES G. CLARK, Instructor (one year from July 1, 1963)<sup>2</sup>  
WILLIAM CLAY, Clinical Instructor  
THOMAS D. DALE, Clinical Instructor  
ROBERT E. DEDMON, Instructor (one year from July 1, 1963) (also in Microbiology)  
LOUIS E. DONDANVILLE, Clinical Instructor  
NORRIS R. DOUGHERTY, Clinical Instructor  
PETER G. ECONOMOU, Instructor  
ADOLFO A. FERNANDEZ, Clinical Instructor  
WILLIAM E. FISHMAN, Clinical Instructor  
GEORGE C. FLANAGAN, Instructor  
RICHARD P. FOTH, Clinical Instructor  
RONALD E. FOX, Clinical Instructor  
WILLIAM I. FREUD, Clinical Instructor  
RAIMONDS G. GAILITIS, Clinical Instructor  
WILLIAM R. GARR, Clinical Instructor  
WILLIAM M. HAMBY, Clinical Instructor  
PAUL K. HANASHIRO, Instructor (one year from July 1, 1963)  
DONALD H. HANSCOM, Clinical Instructor  
ROBERT N. HEDGES, Jr., Clinical Instructor  
JOHN P. HENRY, Clinical Instructor  
ALBERT W. HOLMES, Jr., Instructor (one year from July 1, 1963) (also in Microbiology)  
MOHAMMAD INAYATULLAH, Instructor (one year from July 1, 1963)  
MEILUTE A. INDREIKA, Clinical Instructor  
RODNEY A. JAMIESON, Clinical Instructor  
HAROLD L. JENSEN, Clinical Instructor  
JOHN C. JONES, Clinical Instructor  
ROBERT S. KASSRIEL, Clinical Instructor  
FRANK B. KELLY, Jr., Clinical Instructor  
WILLIAM J. KRISTY, Clinical Instructor  
JERRY P. LEWIS, Instructor (one year from July 1, 1963)  
JOSEPH LIBNOCH, Clinical Instructor  
THOMAS B. LONGABAUGH, Clinical Instructor  
JAMES C. LOWE, II, Instructor (one year from July 1, 1963)<sup>3</sup>  
GORDAN D. LUCAS, Instructor (one year from July 1, 1963)



PATRICIA A. McCREARY, Clinical Instructor  
JULIO MARSI, Clinical Instructor  
VIDVUDS MEDENIS, Clinical Instructor  
CHARLES W. METCALF, Clinical Instructor  
EDWIN B. MILLER, Clinical Instructor  
RICHARD H. NEAL, Clinical Instructor  
GEORGE A. NELSON, JR., Instructor (one year from July 1, 1963)\*  
JEROME E. NEUSTADT, Clinical Instructor  
JULIUS S. NEWMAN, Clinical Instructor  
LEONARD OHRINGER, Clinical Instructor  
CHARLES P. PERLIA, Instructor  
GEORGE T. PERRY, Clinical Instructor  
WILLIAM H. PHELAN, Clinical Instructor  
PETER PULOS, Clinical Instructor  
ELIZABETH F. RUBEN, Instructor (one year from July 1, 1963)\*  
MARVIN S. ROSENBERG, Instructor (fourteen months from July 1, 1963)  
DEAN S. ROSSET, Clinical Instructor  
JAMES A. ROWE, Clinical Instructor  
BOHUMIL A. SAMAL, Instructor (one year from July 1, 1963)\*  
BRUCE G. SAVILLE, Instructor (one year from July 1, 1963)\*  
GEORGE S. SCHOLLY, Instructor (one year from July 1, 1963)  
ROGER R. SCHUESSLER, Clinical Instructor  
WILLIAM K. SCUPHAM, Clinical Instructor  
VITOLDS R. SILINS, Instructor  
JOSEPH V. SIMONE, Instructor (one year from July 1, 1963)\*  
MARSHALL J. SNAPP, Clinical Instructor  
WILLIAM R. STARR, Clinical Instructor  
HARRY B. STONE, Clinical Instructor  
MARIAN S. TARZYNSKI, Clinical Instructor  
JOANNE H. TAUBMAN, Clinical Instructor  
W. RANDOLPH TUCKER, Instructor (one year from July 1, 1963)  
ALSTON C. TWISS, Clinical Instructor  
RUSSELL J. VASTINE, JR., Clinical Instructor  
PAUL L. WINTER, Clinical Instructor  
RICHARD W. ZALAR, Clinical Instructor  
DONALD W. AARONSON, Clinical Assistant  
ARTHUR L. ABBOTT, Assistant (one year from July 1, 1963)\*  
ARTHUR J. ANDERSON, Assistant (one year from July 1, 1963)\*  
ALLAN B. CADY, Clinical Assistant  
JOSEPH C. CHISHOLM, JR., Assistant (one year from July 1, 1963)\*  
THOMAS J. COOGAN, JR., Assistant (one year from July 1, 1963)\*  
JACK C. COOKSEY, Assistant (one year from July 1, 1963)\*  
MARGARET DEANESLY, Assistant (one year from July 1, 1963)\*  
JOSEPH S. GONNELLA, Assistant (one year from July 1, 1963)\*  
NANCY J. GUBISCH, Assistant (one year from July 1, 1963)\*  
BURT B. HAMRELL, Assistant (one year from July 1, 1963)\*  
LEONARD J. HERTKO, Assistant (one year from July 1, 1963)\*  
CHARLES J. HORKY, JR., Assistant (one year from July 1, 1963)\*  
RODERIC S. HUBER, Clinical Assistant  
THOMAS M. KILBRIDGE, Assistant (one year from July 1, 1963)\*  
CHARLES W. KOIVUM, Assistant (one year from July 1, 1963)\*  
LEONARD A. KOSOVA, Clinical Assistant  
REYNOLD T. LARSEN, Assistant (one year from July 1, 1963)\*  
ROBERT D. LEASURE, Assistant (one year from July 1, 1963)\*  
JAMES LUMENG, Assistant (one year from July 1, 1963)\*  
ALBERT F. NIBBE, Assistant (one year from July 1, 1963)\*  
DIEGO NORENA, Research Assistant (one year from July 1, 1963)  
LOIS F. O'GRADY, Assistant (one year from July 1, 1963)\*  
ROSS G. OLSON, Assistant (eight and one-half months from October 12, 1963)\*  
LUCIA T. F. PAP, Clinical Assistant  
DONALD E. RAGER, Assistant (one year from July 1, 1963)\*  
NORMAN W. REAM, Assistant (one year from July 1, 1963)\*  
JOHN W. RILEY, III, Assistant (one year from July 1, 1963)\*

ARTHUR E. SAVITT, Clinical Assistant  
JOHN A. SBARBARO, Assistant (one year from July 1, 1963)<sup>2</sup>  
COLEMAN R. SESKIND, Assistant (one year from July 1, 1963)<sup>4</sup>  
STANLEY S. SHIMODA, Assistant (one year from July 1, 1963)<sup>2</sup>  
ALAN J. SORSCHER, Clinical Assistant  
LYNNE L. STETTbacher, Research Assistant (one year from July 1, 1963)  
ARMANDO SUSMANO, Research Assistant (one year from July 1, 1963)  
LUIS R. TORRIENTE, Clinical Assistant  
PARK W. WAGERS, Assistant (one year from July 1, 1963)<sup>4</sup>  
JORDAN D. WAXMAN, Assistant (one year from July 1, 1963)<sup>3</sup>  
ISAAC WEISZER, Assistant (eight months from November 5, 1963)<sup>4</sup>  
HOWARD G. WILCOX, Assistant (one year from July 1, 1963)<sup>2</sup>  
RAYMOND L. YOCKEY, Clinical Assistant  
EDMUND M. ZIOLKOWSKI, Clinical Assistant

### Microbiology

FRIEDRICH W. DEINHARDT, Associate Professor  
RALPH H. HUBBLE, Lecturer  
ROBERT E. DEDMON, Instructor (one year from July 1, 1963) (also in Medicine)  
ALBERT W. HOLMES, JR., Instructor (one year from July 1, 1963) (also in Medicine)  
WILLIAM LANDAU, Instructor  
ELTA W. KNOLL, Assistant, *Emerita*

### Neurology and Neurological Surgery

LOREN W. AVERY, Clinical Professor (Rush), *Emeritus*  
HAROLD C. VORIS, Clinical Professor (DY)  
ARTHUR ARNOLD, Clinical Assistant Professor  
JACK DRORI, Clinical Assistant Professor  
VIRGINIA R. SORUM, Clinical Associate  
NATHAN ZOLT, Clinical Associate  
RICHARD O. BURNS, JR., Clinical Instructor  
ELI TOBIAS, Clinical Instructor  
BELISARIO ARIAS, Assistant<sup>2</sup>  
ROBERT BEATTY, Assistant (one year from July 1, 1963)<sup>2</sup>  
THOMAS E. BRACKETT, Assistant (one year from July 1, 1963)<sup>2</sup>  
CHARLES A. HOPKINS, Assistant<sup>2</sup>  
JOHN L. HUBBARD, Assistant<sup>2</sup>  
JOHN A. JANE, Assistant<sup>2</sup>  
RONALD A. PAWL, Assistant (one year from July 1, 1963)<sup>2</sup>  
WALTER WHISLER, Assistant<sup>2</sup>  
DAVID YASHON, Assistant<sup>2</sup>

### Obstetrics and Gynecology

EDWARD D. ALLEN, Clinical Professor (Rush), *Emeritus*  
EUGENE A. EDWARDS, Clinical Professor, *Emeritus*  
HARRY BOYSEN, Clinical Professor (Rush)  
ARTHUR H. KLAUANS, Clinical Professor (Rush)  
ABRAHAM F. LASH, Clinical Professor  
RICHARD H. ANDRESEN, Clinical Associate Professor  
JAMES P. FITZGIBBONS, Clinical Associate Professor  
ALFRED J. KOBAK, Clinical Associate Professor  
RICHARD A. LIFVENDAHL, Clinical Associate Professor  
FRED O. PRIEST, Clinical Associate Professor (Rush)  
GEORGE H. REZEK, Clinical Associate Professor  
HARRY K. WADDINGTON, Clinical Associate Professor  
JOHN R. WOLFF, Clinical Associate Professor  
DEANE M. FARLEY, Clinical Associate Professor (DY)  
JOHN P. HARROD, JR., Clinical Associate Professor (DY)  
ARMAND J. MAUZEY, Clinical Associate Professor (DY)  
ALFONS R. BACON, Clinical Assistant Professor, *Emeritus*  
HARRY SERED, Clinical Assistant Professor, *Emeritus*  
HUGO C. BAUM, Clinical Assistant Professor (Rush)  
ROBERT A. BEEBE, Clinical Assistant Professor

SOL J. BENENSOHN, Clinical Assistant Professor  
MICHAEL H. BOLEY, Clinical Assistant Professor  
CLAIR M. CAREY, Clinical Assistant Professor  
ALLAN G. CHARLES, Clinical Assistant Professor  
PETER J. COURI, Clinical Assistant Professor  
SOL T. DELEE, Clinical Assistant Professor  
VINCENT S. DIGIULIO, Clinical Assistant Professor  
CECIL DRAA, Clinical Assistant Professor (Rush)  
GEORGE C. FINOLA, Clinical Assistant Professor  
WILLIAM F. GEITTMANN, Clinical Assistant Professor  
RALPH L. GIBSON, Clinical Assistant Professor  
ROBERT J. GLENNER, Clinical Assistant Professor  
CHARLES J. HEIBERGER, Clinical Assistant Professor  
BERNARD M. KAYE, Clinical Assistant Professor  
CHARLES D. KRAUSE, Clinical Assistant Professor  
VINCENT A. LAVIERI, Clinical Assistant Professor  
ROCCO V. LOBRAICO, Clinical Assistant Professor  
JOHN S. LONG, Clinical Assistant Professor  
WILBUR J. MARSHALL, Clinical Assistant Professor  
WILLIAM S. MILLER, Clinical Assistant Professor  
JOHN W. PAYNE, Clinical Assistant Professor  
GEORGE PEPPER, Clinical Assistant Professor  
LOWELL F. PETERSON, Clinical Assistant Professor  
MICHAEL P. PILL, Clinical Assistant Professor  
FREDERICK J. ROOS, Clinical Assistant Professor  
MEYER D. RUTGARD, Clinical Assistant Professor  
SEYMOUR SHOLDER, Clinical Assistant Professor  
PETER SIEGEL, Clinical Assistant Professor  
C. OTIS SMITH, Clinical Assistant Professor  
MANUEL SPIEGEL, Clinical Assistant Professor  
ROBERT C. STEPTO, Clinical Assistant Professor  
JOSEPH B. TETON, Clinical Assistant Professor  
VASIL TRUCHLY, Clinical Assistant Professor  
FRANK J. WALSH, Clinical Assistant Professor  
BRUCE P. ZUMMO, Clinical Assistant Professor  
DENES ORBAN, Clinical Associate  
LIONEL J. SCHEWITZ, Clinical Associate  
JOSEPH S. ANGELL, Clinical Instructor  
JOHN F. BARTELS, Clinical Instructor  
DONALD M. FAHRENBACH, Clinical Instructor  
EDWIN L. FALLOON, Clinical Instructor  
EARL S. FULLER, Instructor (one year from July 1, 1963)\*  
WILLIAM M. GARDNER, Instructor (one year from July 1, 1963)\*  
THOMAS HEJNA, Instructor (one year from July 1, 1963)  
JOHN R. KOSTELNY, Clinical Instructor  
LAWRENCE LEVINE, Clinical Instructor  
JOSEPH J. MULLEN, Clinical Instructor  
EDWIN E. NYMAN, Clinical Instructor  
GABRIEL A. RODRIGUEZ, Clinical Instructor (fourteen months from July 1, 1963)  
MARVIN A. ROSNER, Clinical Instructor  
EUGENE D. ROTHENBERG, Instructor (one year from July 1, 1963)\*  
JACK A. SAMPSON, Clinical Instructor  
IRVING SHIPKOWITZ, Instructor (one year from July 1, 1963)\*  
ROBERT G. STONE, Clinical Instructor  
LAWRENCE J. SYKORA, Clinical Instructor  
EDGAR B. SYLVESTER, Clinical Instructor  
NATHAN TOLWINSKY, Clinical Instructor  
NANCY C. TREADWELL, Clinical Instructor  
GEORGE P. VLASIS, Clinical Instructor  
LAVERNE M. WALLHEISER, Clinical Instructor  
ALVIN F. WIERSMA, Clinical Instructor  
JOHN A. AIMONE, Clinical Assistant  
DERALD E. BRACKMANN, Assistant (one year from July 1, 1963)\*

JOSEPH H. CLEVENGER, JR., Assistant (one year from July 1, 1963)\*  
 DELOS R. COZAD, Clinical Assistant  
 WILLIAM H. DONOVAN, JR., Clinical Assistant  
 FREDERICK M. GAWECKI, Assistant (one year from July 1, 1963)\*  
 TERRENCE C. HANSEN, Assistant (one year from July 1, 1963)\*  
 MARIO A. IRIGOYEN, Clinical Assistant  
 ELMER J. JUSTEMA, Clinical Assistant  
 SIDNEY C. KAHN, Clinical Assistant  
 ANTHONY N. KENWICK, Clinical Assistant  
 JOHN H. MATTOX, Assistant (one year from July 1, 1963)\*  
 ROBERT H. OBERHELMAN, Clinical Assistant  
 ADRIAN R. OLECK, Clinical Assistant  
 ROBERT P. OLSON, Assistant (one year from July 1, 1963)\*  
 RICHARD G. PATTERSON, Assistant (one year from July 1, 1963)\*  
 BERNARD E. RUDER, Assistant (one year from July 1, 1963)\*  
 PETER D. SCALZITTI, Assistant (one year from July 1, 1963)\*  
 KENNETH M. SUSSMAN, Assistant (one year from July 1, 1963)\*  
 TOSHIRO TATEIWA, Assistant (one year from July 1, 1963)\*

### Ophthalmology

WILLIAM F. MONCREIFF, Clinical Professor (Rush), *Emeritus*  
 WILLIAM F. HUGHES, Clinical Professor  
 CARL APPLE, Clinical Associate Professor, *Emeritus*  
 EARLE B. FOWLER, Clinical Associate Professor (Rush), *Emeritus*  
 GEORGINA D. THEOBALD, Clinical Associate Professor and Clinical Pathologist,  
*Emerita*  
 JOSEPH S. HAAS, Clinical Associate Professor  
 DANIEL SNYDACKER, Clinical Associate Professor  
 THEODORE N. ZEKMAN, Clinical Associate Professor  
 ROBERT R. HERBST, Clinical Assistant Professor  
 GILBERT ISER, Clinical Assistant Professor  
 BURTON M. KRIMMER, Clinical Assistant Professor  
 DAVID B. MAHER, Clinical Assistant Professor  
 H. ISABELLE MCGARRY, Clinical Assistant Professor  
 VALDO P. OLEARI, Clinical Assistant Professor  
 EDWARD A. PUSHKIN, Clinical Assistant Professor  
 BURTON A. RUSSMAN, Clinical Assistant Professor  
 SAMUEL M. SCHALL, Clinical Assistant Professor  
 KARL J. SCHERIBEL, Clinical Assistant Professor (Rush)  
 MANUEL L. STILLERMAN, Clinical Assistant Professor  
 JOSEPH TATAR, Clinical Assistant Professor  
 KARL E. TICHO, Clinical Assistant Professor  
 MARTIN J. URIST, Clinical Assistant Professor  
 HOWARD L. WILDER, Assistant Professor  
 VERNON M. LEECH, Clinical Associate (Rush), *Emeritus*  
 DAVID V. L. BROWN, Clinical Associate  
 MICHAEL E. CARROLL, Clinical Associate  
 VIVIAN A. CATION, Clinical Associate  
 WILLIAM E. DEUTSCH, Clinical Associate  
 LEONA R. FORDON, Clinical Associate  
 ALDONA A. JUSKA, Clinical Associate  
 ARTHUR LIGHT, Clinical Associate  
 JUDITH V. PERRY, Clinical Associate  
 BARBARA SPIRO, Clinical Associate  
 ALBERT E. TENNENBAUM, Clinical Associate  
 JACK TRESLEY, Clinical Associate  
 SHERWIN A. FOX, Clinical Instructor  
 ERNST J. HOLLAND, Clinical Instructor  
 NORBERT J. NOWICKI, Clinical Instructor  
 DAVID C. WHITSELL, Clinical Instructor  
 PAUL S. YOCUM, Clinical Instructor  
 MOH'D A. ASGAR, Assistant (one year from July 1, 1963)\*  
 MICHAEL BELSON, Assistant (one year from July 1, 1963)\*

ARNOLD D. CURNYN, Assistant (one year from July 1, 1963)<sup>3</sup>  
RICHARD EY, Assistant (one year from July 1, 1963)<sup>2</sup>  
CARL GARFINKLE, Assistant (one year from July 1, 1963)<sup>4</sup>  
EMIL F. GRABOW, Assistant (one year from July 1, 1963)<sup>4</sup>  
DONALD R. JORGENSEN, Assistant (one year from July 1, 1963)<sup>4</sup>  
THEODORE LAWWILL, Assistant (one year from July 1, 1963)<sup>4</sup>  
DAVID S. MCDANIEL, Assistant (six months from July 1, 1963)<sup>5</sup>  
FRANK I. MENDELBLATT, Assistant (one year from July 1, 1963)<sup>5</sup>  
HANS J. RENPENNING, Assistant (one year from July 1, 1963)<sup>1</sup>  
ALLEN K. RICE, Assistant (one year from July 1, 1963)<sup>4</sup>  
LEO J. ROBERTS, Assistant (one year from July 1, 1963)<sup>5</sup>  
PHILLIP I. ROSSMANN, Assistant (one year from July 1, 1963)<sup>1</sup>  
BERNARD SLATT, Assistant (one year from July 1, 1963)<sup>6</sup>  
ALBERT VAISER, Assistant (one year from July 1, 1963)<sup>5</sup>

### Orthopaedic Surgery

FRANK G. MURPHY, Clinical Associate Professor, *Emeritus*  
CARLO S. SCUDERI, Clinical Associate Professor in Orthopaedics  
FRED SHAPIRO, Clinical Associate Professor (Rush)  
HORACE E. TURNER, Clinical Assistant Professor, *Emeritus*  
WILLIAM A. MARSHALL, Clinical Assistant Professor  
ROBERT P. MEANY, Clinical Assistant Professor  
LEO F. MILLER, Clinical Assistant Professor  
RAYMOND J. PELLICORE, Clinical Assistant Professor  
DONALD ROSS, Clinical Assistant Professor  
TAWFIK Y. SABET, Research Associate  
KARL H. MUELLER, Research Associate  
JAMES P. AHSTROM, Clinical Instructor  
RAMEZ AOUAD, Instructor (one year from July 1, 1963)<sup>2</sup>  
RONALD L. DEWALD, Instructor (on leave of absence for military service)<sup>3</sup>  
JORGE O. GALANTE, Instructor (one year from July 1, 1963)<sup>2</sup>  
CHARLES E. GAVIN, Clinical Instructor  
ROBERT C. HAMILTON, Clinical Instructor  
WILLIAM A. HARK, Clinical Instructor  
WILLIAM F. HEJNA, Clinical Instructor  
ROBERT V. JOHNSON, Instructor (one year from July 1, 1963)<sup>2</sup>  
WILLIAM H. NEWMAN, Clinical Instructor  
CLIFFORD O. NYMAN, Clinical Instructor  
WALTER R. PETERSEN, Clinical Instructor  
JAMES P. ZETTAS, Clinical Instructor  
VIRGINIA M. BADGER, Assistant<sup>1</sup>  
RIAD BARMADA, Assistant<sup>2</sup>  
DON A. FISCHER, Assistant (one year from July 1, 1963)<sup>2</sup>  
THOMAS W. MCNEILL, Assistant (one year from July 1, 1963)<sup>2</sup>  
ROBERT J. ROTHMAN, Assistant<sup>2</sup>  
JULES SHAPIRO, Assistant<sup>1</sup>

### Otolaryngology

DANIEL B. HAYDEN, Clinical Professor (Rush), *Emeritus*  
ABRAHAM R. HOLLENDER, Professor, *Emeritus*  
WALTER H. THEOBALD, Clinical Professor, *Emeritus*  
OLIVER E. VANALYEA, Clinical Professor, *Emeritus*  
ALBERT H. ANDREWS, JR., Clinical Professor of Bronchoesophagology  
OSCAR J. BECKER, Clinical Professor  
STANTON A. FRIEDBERG, Clinical Professor  
G. KENNETH LEWIS, Clinical Professor  
GEORGE S. LIVINGSTON, Clinical Associate Professor, *Emeritus*  
SAMUEL M. MORWITZ, Clinical Associate Professor, *Emeritus*  
RICHARD W. WATKINS, Clinical Associate Professor, *Emeritus*  
WALTER W. DALITSCH, Clinical Associate Professor  
ROBERT B. LEWY, Clinical Associate Professor  
MAURICE F. SNITMAN, Clinical Associate Professor  
LINDEN J. WALLNER, Clinical Associate Professor (Rush)  
LOUIS SAVITT, Clinical Assistant Professor, *Emeritus*

HELMUT BLUMENTHAL, Clinical Assistant Professor  
 EDWARD L. CHAINSKI, Clinical Assistant Professor  
 ARTHUR J. COOMBS, Clinical Assistant Professor  
 ELMER A. FRIEDMAN, Clinical Assistant Professor  
 LOIS D. GREENE, Clinical Assistant Professor  
 RICHARD E. MARCUS, Clinical Assistant Professor  
 ARTHUR L. RATKO, Clinical Assistant Professor  
 LEO A. SATZ, Clinical Assistant Professor  
 JOHN A. WEIDEMANN, Clinical Assistant Professor  
 WILLIAM A. SMILEY, Clinical Associate, *Emeritus*  
 I. ERLIN BARTLETT, Clinical Associate  
 BRUNO BLUMKLOTZ, Clinical Associate  
 DAVID O. DALE, Clinical Associate  
 JOSEPH GYORKEY, Clinical Associate  
 ANDREAS G. KODROS, Clinical Associate  
 ROLAND A. KOWAL, Clinical Associate  
 MILTON E. KURTH, Clinical Associate  
 COLETTE JEANTET, Clinical Associate  
 MARIO D. MANSUETO, Clinical Associate  
 JOSEPH F. ORRICO, Clinical Associate  
 KARL H. SIEDENTOP, Clinical Associate  
 PIERCE W. THEOBALD, Clinical Associate  
 ALAN R. KAHN, Research Associate  
 ROBERT H. BORKENHAGEN, Clinical Instructor  
 RALPH A. CASCIARO, Clinical Instructor  
 JOSE LUIS FERRER, Clinical Instructor  
 DINO G. MAURIZI, Clinical Instructor  
 PHILLIP I. MOZER, Clinical Instructor  
 EDWARD A. RAZIM, Clinical Instructor  
 THADDEUS S. PIERCE, Clinical Instructor  
 LOUIS F. SCARAMELLA, Clinical Instructor  
 JOYCE A. SCHILD, Clinical Instructor  
 KURT SPRINGER, Clinical Instructor  
 ALDO C. SIRUGO, Clinical Instructor  
 LOUIS T. TENTA, Clinical Instructor  
 BLAINE L. BLOCK, Assistant (one year from July 1, 1963)<sup>a</sup>  
 RONALD J. BLUMENFELD, Assistant (one year from July 1, 1963)<sup>a</sup>  
 ARTHUR I. BRODER, Assistant (one year from July 1, 1963)<sup>a</sup>  
 ROBIN C. BROWN, Assistant (one year from July 1, 1963)<sup>a</sup>  
 JOHN N. COMITO, Assistant<sup>a</sup>  
 ROGER A. EGGERT, Assistant (fourteen months from July 1, 1963)  
 ROBERT S. FAGELSON, Assistant (one year from July 1, 1963)<sup>a</sup>  
 DAVID L. FAGELSON, Clinical Assistant  
 JERRY E. FRIEDMAN, Assistant (one year from July 1, 1963)<sup>a</sup>  
 THOMAS E. GRIFFITH, Assistant (fourteen months from July 1, 1963)  
 GERALD E. GUEMMER, Clinical Assistant  
 KEITH M. HOLMES, Assistant (one year from July 1, 1963)<sup>a</sup>  
 DONALD L. JEROME, Assistant (one year from July 1, 1963)<sup>a</sup>  
 HAROLD I. LAKER, Assistant (one year from July 1, 1963)<sup>a</sup>  
 FRANKLIN S. MASSARI, Assistant (one year from July 1, 1963)<sup>a</sup>  
 FLORIAN R. NYKIEL, Assistant (one year from July 1, 1963)<sup>a</sup>  
 JOHN P. MCPHERSON, Assistant (one year from July 1, 1963)<sup>a</sup>  
 S. BRUCE MER, Assistant (one year from July 1, 1963)<sup>a</sup>  
 WILLIAM M. SERMONTE, Assistant (one year from July 1, 1963)<sup>a</sup>  
 JOSE SMOLER, Assistant (one year from July 1, 1963)<sup>a</sup>  
 ROBERT J. TOOHILL, Assistant (one year from July 1, 1963)<sup>a</sup>  
 JOHN D. VANNUYS, Clinical Assistant  
 JOSEPH P. VELEK, JR., Assistant (one year from July 1, 1963)<sup>a</sup>

#### Pathology

GEORGE M. HASS, Professor  
 LESTER S. KING, Clinical Professor  
 CHARLES E. CAHN-BRONNER, Professorial Lecturer, *Emeritus*

JERRY J. KEARNS, Clinical Associate Professor, *Emeritus*  
 FREDERIC C. BAUER, JR., Clinical Associate Professor  
 HAROLD A. GRIMM, Clinical Associate Professor  
 COYE C. MASON, Clinical Associate Professor  
 MARTIN A. SWERDLOW, Clinical Associate Professor  
 JAMES R. THOMPSON, Clinical Associate Professor  
 JOHN P. AYER, Associate Professor (DY)  
 GRANT C. JOHNSON, Clinical Associate Professor (DY)  
 JACOB N. SHANBERGE, Clinical Associate Professor (DY)  
 ROBERT W. ALEXANDER, Assistant Professor  
 RAYMOND A. CLASEN, Assistant Professor  
 REUBEN EISENSTEIN, Assistant Professor  
 DOROTHY E. ESHBAUGH, Clinical Assistant Professor  
 VICTOR R. JABLOKOW, Clinical Assistant Professor  
 ALBERT W. SCHWEITZER, Clinical Assistant Professor  
 FRIEDERICH A. O. ECKNER, Lecturer  
 FREDERIC O. FLOBERG, Lecturer  
 FRANZ E. HIRSCH, Lecturer  
 MAURICE LEV, Lecturer  
 JAMES E. HABEGGER, Clinical Associate  
 JOHN E. MALONEY, Clinical Associate  
 HECTOR A. BATTIFORA, Instructor<sup>2</sup>  
 EUGENE J. GOLDMAN, Instructor (one year from August 1, 1963)<sup>2</sup>  
 GUSTAVE GYORI, Clinical Instructor  
 FRANCISCO S. HERNANDEZ, Instructor (one year from July 1, 1963)<sup>2</sup>  
 JOSEPH J. HOSEK, Clinical Instructor  
 MARILYN J. O'BRIEN, Clinical Instructor  
 BERNARD PEISON, Clinical Instructor  
 JAMES C. PRITCHARD, Clinical Instructor  
 SEYMOUR ROSEN, Instructor (one year from July 1, 1963)<sup>2</sup>  
 MOHSEN SHAKERIN, Instructor (one year from July 1, 1963)<sup>2</sup>  
 JAMES A. SURVIS, Clinical Instructor  
 CHAROEN SUWANWILAI, Instructor (one year from July 1, 1963)<sup>2</sup>  
 MOSTAFA J. TABATABAI, Instructor (one year from July 1, 1963)<sup>2</sup>  
 JAMES T. BOLAN, Assistant (one year from July 1, 1963)<sup>2</sup>  
 PHILIP S. COOGAN, Assistant (one year from July 1, 1963)<sup>2</sup>  
 JOHN R. DAINAUSKAS, Assistant (one year from July 1, 1963)<sup>2</sup>  
 WILLIAM T. GOGAN, Assistant (one year from July 1, 1963)<sup>2</sup>  
 ALLEN I. LIPSEY, Assistant (one year from July 1, 1963)<sup>2</sup>  
 JOSE R. MANALIGOD, Assistant (one year from July 1, 1963)<sup>2</sup>  
 ROGER D. SMITH, Assistant (one year from July 1, 1963)<sup>2</sup>  
 MALCOLM V. VYE, Assistant (one year from July 1, 1963)<sup>2</sup>

### Pediatrics

ALFRED D. BIGGS, Clinical Professor, *Emeritus*  
 CRAIG D. BUTLER, Clinical Professor (Rush), *Emeritus*  
 HUGH McCULLOCH, Lecturer with rank of Professor, *Emeritus*  
 JOSEPH GREENGARD, Clinical Professor  
 C. JACK HARRISON, Clinical Professor (Rush)  
 SAMUEL J. HOFFMAN, Clinical Professor  
 JOSEPH R. CHRISTIAN, Professor  
 HERBERT J. GROSSMAN, Professor  
 NOEL G. SHAW, Clinical Professor (Rush)  
 CHARLES K. STULIK, Clinical Associate Professor (Rush), *Emeritus*  
 LAWRENCE BRESLOW, Clinical Associate Professor  
 WARREN R. DAMMERS, Clinical Associate Professor  
 LOUIS J. HALPERN, Clinical Associate Professor  
 HARRY LEICHENGER, Clinical Associate Professor  
 MATTHEW M. LEWISON, Clinical Associate Professor (Rush)  
 DANIEL J. PACHMAN, Clinical Associate Professor  
 IRVING B. RICHTER, Clinical Associate Professor  
 NORMAN T. WELFORD, Clinical Associate Professor (Rush)  
 DOROTHY H. WELKER, Clinical Associate Professor

HARRY D. MOSIER, Associate Professor (DY)  
WOODRUFF L. CRAWFORD, Clinical Assistant Professor, *Emeritus*  
MAGNUS H. AGUSTSSON, Clinical Assistant Professor  
RENE A. ARCILLA, Clinical Assistant Professor  
SAMUEL H. BARRON, Clinical Assistant Professor  
HANS G. BUCHELERES, Clinical Assistant Professor  
MARIANNE P. BUDZEIKA, Clinical Assistant Professor  
ANDRE CHABOT, Clinical Assistant Professor  
E. H. CHRISTOPHERSON, Clinical Assistant Professor  
VERNON R. DEYOUNG, Clinical Assistant Professor  
JOHN B. HALL, Clinical Assistant Professor  
JOHN S. HYDE, Clinical Assistant Professor  
MILDRED R. JACKSON, Clinical Assistant Professor  
HARVEY KRAVITZ, Clinical Assistant Professor  
MELVIN A. KRUGLY, Clinical Assistant Professor  
HERMAN B. LANDER, Clinical Assistant Professor  
BESSIE L. LENDRUM, Clinical Assistant Professor  
MICHAEL A. LIMOSANI, Clinical Assistant Professor  
RONALD B. MACK, Clinical Assistant Professor  
HARRY T. NAGEL, Clinical Assistant Professor  
BRUCE B. NEWMAN, Clinical Assistant Professor  
HOMER S. PARKER, Clinical Assistant Professor  
MILDRED J. POLNIASZEK, Clinical Assistant Professor  
KLARA JUDITH PREC, Clinical Assistant Professor  
MARTIN SACKS, Clinical Assistant Professor  
IRENE SHMIGELSKY, Clinical Assistant Professor  
CHARLES E. STEPAN, Clinical Assistant Professor  
CHARLES L. SWARTS, Clinical Assistant Professor  
SAMUEL THOMAS, Clinical Assistant Professor  
A. A. WOLF, Clinical Assistant Professor  
BOHDAN S. CELEWYCZ, Clinical Instructor  
JULIA YU CHAO, Clinical Instructor  
DANIEL G. CUNNINGHAM, Clinical Instructor  
MEL W. FEINBERG, Clinical Instructor  
JANICE R. HERZ, Clinical Instructor  
EDWARD K. ISAACSON, Clinical Instructor  
CLAY H. JONES, JR., Clinical Instructor  
DOLORES E. KNOBLOCK, Clinical Instructor  
ELIZABETH KELLER, Clinical Instructor  
VICTOR M. LoPRIORE, Clinical Instructor  
SILVIO D. MORALES, Clinical Instructor  
KENNETH S. NOLAN, Clinical Instructor  
JOHN WILLIAM O'SHEA, Clinical Instructor  
STEPHEN PAWLYNSKYJ, Clinical Instructor  
ISIDRO PEREZ, Clinical Instructor  
PHILIP L. WACHTEL, Clinical Instructor  
ARNOLD A. SHKOLNIK, Clinical Instructor  
OSCAR L. CISNEROS, Assistant (one year from July 1, 1963)<sup>a</sup>  
JOSEPH M. CULLEN, Assistant (one year from July 1, 1963)<sup>a</sup>  
RONALD G. ERIKSEN, Assistant (one year from July 1, 1963)<sup>a</sup>  
JANET F. FORSTNER, Assistant (one year from July 1, 1963)<sup>a</sup>  
WILLIAM T. HARTNETT, Assistant (one year from July 1, 1963)<sup>a</sup>  
MARION E. JOHNSON, Assistant (one year from July 1, 1963)<sup>a</sup>  
BARHAN JOORABCHI, Assistant (one year from July 1, 1963)<sup>a</sup>  
FRIEDA JUCHHEIM, Assistant (one year from July 1, 1963)<sup>a</sup>  
RAYMOND J. KILEY, Assistant (one year from July 1, 1963)<sup>a</sup>  
CHARLES A. LIMP, Assistant (one year from July 1, 1963)<sup>a</sup>  
EDDIE S. MOORE, Assistant (one year from July 1, 1963)<sup>a</sup>  
ERNESTO P. NAMIN, Clinical Assistant  
ADOLFO A. PEREZ, Assistant (one year from July 1, 1963)<sup>a</sup>  
MARY V. RAMEY, Assistant (one year from July 1, 1963)<sup>a</sup>  
ROBERT G. ROSENBERG, Assistant (one year from July 1, 1963)<sup>a</sup>  
CHANDRAKANT P. SHAH, Assistant (one year from July 1, 1963)<sup>a</sup>



ROSEANNE VITULLO, Assistant (one year from July 1, 1963)<sup>1</sup>

SOMCHAO YINGVORAPANT, Assistant (one year from July 1, 1963)<sup>1</sup>

PAUL J. ZIEGLER, Assistant (one year from July 1, 1963)<sup>2</sup>

#### Pharmacology

CHESTER J. CAVALLITO, Lecturer

VICTOR A. DRILL, Lecturer

HARRIS ISBELL, Lecturer

#### Physical Medicine and Rehabilitation

H. WORLEY KENDALL, Clinical Professor

REUBEN R. WASSERMAN, Clinical Associate Professor

KATE H. KOHN, Clinical Assistant Professor

ROMAN S. ORYSHKEVICH, Clinical Instructor

#### Physiology

CHESTER W. DARROW, Associate Professor, *Emeritus*

HAROLD E. HIMWICH, Lecturer

#### Preventive Medicine

THOMAS G. HULL, Lecturer with rank of Associate Professor, *Emeritus*

JERMYN F. MCCAHAN, Clinical Associate Professor

HAROLD W. SPIES, Clinical Associate Professor

SAMUEL ANDELMAN, Clinical Associate Professor (DY)

JOYCE C. LASHOF, Assistant Professor

HAROLD H. STEINBERG, Clinical Assistant Professor

AGNES D. L. GOSS, Clinical Instructor

PAUL W. TILLMAN, Clinical Associate

ERNEST B. WILLIAMS, Clinical Associate

QUENTIN D. YOUNG, Clinical Associate

WILLIAM I. METZGER, Research Associate

#### Psychiatry

ROY R. GRINKER, Clinical Professor

PAUL E. NIELSON, Professor

VLADIMIR G. URSE, Clinical Professor

JACK WEINBERG, Clinical Professor

WALTER HIRSCH, Clinical Professor (DY)

HARRY R. HOFFMAN, Clinical Associate Professor (Rush), *Emeritus*

WILLIAM H. HAINES, Clinical Associate Professor

DONALD A. R. MORRISON, Clinical Associate Professor

ALAN K. ROSENWALD, Clinical Associate Professor of Psychology

STEPHEN L. SHERWOOD, Clinical Associate Professor of Neurophysiology

ALFRED P. SOLOMON, Clinical Associate Professor

ANNE BENJAMIN, Clinical Associate Professor (DY)

NOEL S. JENKIN, Clinical Associate Professor of Psychology (DY)

MAURICE KAPLAN, Clinical Associate Professor (DY)

ROBERT G. McMILLAN, Clinical Associate Professor (DY)

RAYMOND E. ROBERTSON, Clinical Associate Professor (DY)

MORRIS M. ROSENTHAL, Clinical Associate Professor (DY)

LESTER RUDY, Clinical Associate Professor (DY)

W. DAVID STEED, Clinical Associate Professor (DY)

JACOB PASKIND, Clinical Assistant Professor, *Emeritus*

CHARLOTTE H. ALTMAN, Clinical Assistant Professor of Psychology

SOL ALTSCHUL, Clinical Assistant Professor

CLARESA M. ARMSTRONG, Clinical Assistant Professor

BERNARD M. ARONOV, Assistant Professor of Psychology

HOWARD G. ARONSON, Clinical Assistant Professor

E. ELIOT BENEZRA, Clinical Assistant Professor

HASKELL E. BERNSTEIN, Clinical Assistant Professor

LEON BERNSTEIN, Clinical Assistant Professor

RICHARD BOLIN, Clinical Assistant Professor

DAVID D. BROCKMAN, Clinical Assistant Professor

JAMES A. BUETTNER, Clinical Assistant Professor  
DAVID I. CHEIFETZ, Assistant Professor of Psychology  
PAULINE M. COOKE, Clinical Assistant Professor  
THOMAS N. DAVIS III, Clinical Assistant Professor  
ALBERTO DE LA TORRE, Clinical Assistant Professor  
PIETER DE VRIJER, Clinical Assistant Professor  
PAUL DOLINKO, Clinical Assistant Professor of Psychology  
ROBERT C. DRYE, Clinical Assistant Professor  
SYDNEY B. EISEN, Clinical Assistant Professor  
ARTHUR S. ELSTEIN, Assistant Professor of Psychology  
FRANK F. EVANS, Clinical Assistant Professor  
DAVID C. GARRON, Assistant Professor of Psychology  
HAROLD A. GREENBERG, Clinical Assistant Professor  
BERNARD L. GREENE, Clinical Assistant Professor  
DAVID P. GROSS, Clinical Assistant Professor  
MORTIMER D. GROSS, Clinical Assistant Professor  
FREDERICK V. GWYER, Clinical Assistant Professor  
JOHN E. HALASZ, Clinical Assistant Professor  
LOUIS HALPERIN, Clinical Assistant Professor  
JOHN W. HANNI, Clinical Assistant Professor  
DAVID S. HARMAN, Clinical Assistant Professor  
IRVING D. HARRIS, Clinical Assistant Professor  
ELSIE L. HAUG, Clinical Assistant Professor  
PATRICK ISRAEL, Clinical Assistant Professor  
LOUIS JENSEN, Clinical Assistant Professor  
DAVID M. JORDAN, Assistant Professor  
GEORGE H. KLUMPFER, Clinical Assistant Professor  
RICHARD C. KOENIG, Clinical Assistant Professor  
ROBERT H. KOFF, Clinical Assistant Professor  
GUSTAVO LAGE, Clinical Assistant Professor  
ELISE B. LESSING, Clinical Assistant Professor of Psychology  
DAVID LEVITIN, Clinical Assistant Professor  
BERNARD I. LIFSON, Clinical Assistant Professor  
JOAN LONGINI, Clinical Assistant Professor  
NORMA MASON, Clinical Assistant Professor  
WARREN G. McPHERSON, Clinical Assistant Professor  
VICTOR MINTEK, Clinical Assistant Professor  
EVAN G. MOORE, Clinical Assistant Professor  
WILLIAM H. MURRAY, Clinical Assistant Professor  
CHARLES MYRAN, Clinical Assistant Professor  
JOSEPH G. NEMECEK, Clinical Assistant Professor  
MELVIN D. NUDELMAN, Clinical Assistant Professor  
DONALD OKEN, Clinical Assistant Professor  
FRANCES C. PERCE, Clinical Assistant Professor  
GEORGE L. PERKINS, Clinical Assistant Professor  
ROBERT H. POLLACK, Clinical Assistant Professor of Psychology  
KLARA G. RANKY, Clinical Assistant Professor  
ALAN M. ROBERTSON, Clinical Assistant Professor  
HENRY L. RUEHR, Clinical Assistant Professor  
ARTHUR SABLE, Clinical Assistant Professor  
SHELDON K. SCHIFF, Assistant Professor (fourteen months from July 1, 1963)  
MARVIN SCHWARZ, Clinical Assistant Professor  
HARRY M. SEGENREICH, Clinical Assistant Professor  
CHARLES H. SHAILOVA, Clinical Assistant Professor  
JEANNE SPURLOCK, Clinical Assistant Professor  
ALVIN SUSLICK, Clinical Assistant Professor  
THOMAS T. TOURENTES, Clinical Assistant Professor  
SAMUEL A. VICTOR, Clinical Assistant Professor  
WILLIAM WEISDORF, Clinical Assistant Professor  
DONOVAN G. WRIGHT, Clinical Assistant Professor  
MARVIN ZIPORYN, Clinical Assistant Professor  
ALFONSO SHIMBEL, Lecturer  
HEDWIG C. BAKONY, Clinical Instructor

MARJORIE C. BARNETT, Clinical Instructor  
ERIC G. BRUNNGRABER, Clinical Instructor in Biochemistry  
DAVID W. BUCK, Clinical Instructor  
CLARA M. BUTTERWORTH, Clinical Instructor in Psychology  
JOSÉ M. CASTILLO, Instructor  
MARVIN FREEDMAN, Instructor<sup>a</sup>  
ALVAN R. GENDEIN, Instructor<sup>a</sup>  
JAY G. HIRSCH, Clinical Instructor  
JEROME I. KATZ, Clinical Instructor  
LEO V. KEMPTON, Clinical Instructor  
ARTHUR KLING, Clinical Instructor  
CHARLES H. KRAMER, Clinical Instructor  
DAVID A. MARCUS, Clinical Instructor  
ANA MARQUINEZ, Clinical Instructor  
RAYMOND N. MILLER, Instructor<sup>a</sup>  
MAX MONIN, Instructor<sup>a</sup>  
ELLIOTT C. MURRAY, Instructor<sup>a</sup>  
ARTHUR H. NORTON, Clinical Instructor  
ROBERT E. NYQUIST, Clinical Instructor  
DANIEL OFFER, Clinical Instructor  
ZANE D. PARZEN, Clinical Instructor  
SARAH R. PESKIND, Clinical Instructor in Psychology  
LEONARD RACK, Clinical Instructor  
BARBARA S. ROCAH, Clinical Instructor  
DONALD A. ROSS, Clinical Instructor in Psychology  
RICHARD K. SASKILL, Clinical Instructor  
DONALD D. SCHWARTZ, Clinical Instructor  
ARLENE J. SMITH, Clinical Instructor  
DAVID W. SWANSON, Clinical Instructor  
MORTON S. TABIN, Clinical Instructor  
JOHN D. VAN PELT, Instructor in Psychology  
DAGA M. WIED, Clinical Instructor  
KARL L. WILLRICH, Instructor  
ROBERT I. YUFIT, Clinical Instructor in Psychology  
ORESTE ZALIS, Clinical Instructor  
ALEXANDER ZEIDEL, Instructor<sup>a</sup>  
EDWARD J. BARANOWSKI, Assistant<sup>a</sup>  
ALLEN S. BERNSTEN, Assistant<sup>a</sup>  
WILLIAM R. DeVRIES, Research Assistant  
WILLIAM F. HENEBRY, Assistant<sup>a</sup>  
ROBERT J. INNES, Assistant<sup>a</sup>  
ELSA B. TELSER, Research Assistant  
LAWRENCE VAN EGEREN, Assistant<sup>a</sup>

#### Public Health

EDWARD A. PISZCZEK, Clinical Associate Professor  
HERBERT K. ABRAMS, Clinical Assistant Professor  
CLARENCE W. KLASSEN, Assistant Professor  
HERBERT E. McDANIELS, Assistant Professor  
KENNETH M. MORSE, Lecturer  
W. FRANKLIN DOVE, Research Associate

#### Radiology

JOHN W. CLARK, Professor  
FAY H. SQUIRE, Professor (Rush)  
DAVID S. BEILIN, Clinical Associate Professor, *Emeritus*  
RICHARD E. BUENGER, Associate Professor  
SAMUEL A. LEADER, Clinical Associate Professor  
ISRAEL E. KIRSH, Associate Professor (DY)  
FRANKLIN S. ALCORN, Assistant Professor  
MAURICE L. BOGDONOFF, Assistant Professor  
BENJAMIN D. BRAUN, Clinical Assistant Professor  
FRANK R. HENDRICKSON, Assistant Professor

JULIUS HEYDEMANN, Clinical Assistant Professor  
GEORGE G. HIBBS, Assistant Professor  
BILLY JAY HILL, Assistant Professor  
JACQUES OVADIA, Clinical Assistant Professor  
LAWRENCE D. SCOTT, Assistant Professor  
FRANK L. HUSSEY, Clinical Instructor  
JOHN T. MCMANUS, Instructor  
EDWARD I. MILLER, Instructor  
GLADYS L. OLSON, Instructor  
MARVIN O. TREPTON, Instructor  
HAROLD N. WALGREN, Instructor  
ANTHONY CHUNG-BIN, Assistant  
ROBERT R. HART, Assistant<sup>2</sup>  
RICHARD L. PHILLIPS, Assistant<sup>2</sup>  
RICHARD P. TAYLOR, Assistant<sup>2</sup>

### Surgery

HILLIER L. BAKER, Clinical Professor (Rush), *Emeritus*  
EDWIN M. MILLER, Clinical Professor (Rush), *Emeritus*  
OSCAR E. NADEAU, Clinical Professor, *Emeritus*  
FRANCIS H. STRAUS, Clinical Professor (Rush), *Emeritus*  
EDWARD J. BEATTIE, JR., Professor  
EGBERT H. FELL, Clinical Professor (Rush)  
RICHARD K. GILCHRIST, Clinical Professor (Rush)  
PAUL W. GREELEY, Clinical Professor  
HIRAM T. LANGSTON, Clinical Professor  
FOSTER L. McMILLAN, Clinical Professor  
JOHN H. OLWIN, Clinical Professor (Rush)  
HARRY W. SOUTHWICK, Clinical Professor  
PHILIP THOREK, Clinical Professor  
WILLIAM H. HAZLETT, Clinical Associate Professor, *Emeritus*  
FRANK J. JIRKA, Associate Professor, *Emeritus*  
JOHN D. KOUCKY, Clinical Associate Professor, *Emeritus*  
WILL F. LYON, Clinical Associate Professor, *Emeritus*  
RUDOLPH J. E. ODEN, Associate Professor, *Emeritus*  
MORRIS L. PARKER, Clinical Associate Professor, *Emeritus*  
LOUIS W. SCHULTZ, Clinical Associate Professor of Oral Surgery, *Emeritus*  
CARL B. DAVIS, JR., Clinical Associate Professor  
FREDERIC A. DEPEYSTER, Clinical Associate Professor  
WILLIS G. DIFFENBAUGH, Clinical Associate Professor  
ARTHUR E. DIGGS, Clinical Associate Professor (Rush)  
WILLIAM S. DYE, JR., Clinical Associate Professor  
EARL GARSIDE, Clinical Associate Professor  
CHESTER C. GUY, Clinical Associate Professor  
BURTON C. KIBOURNE, Clinical Associate Professor  
STANLEY E. LAWTON, Clinical Associate Professor (Rush)  
CLARENCE MONROE, Clinical Associate Professor (Rush)  
LINDON SEED, Clinical Associate Professor  
EVERETT L. STROHL, Clinical Associate Professor  
FRANK V. THEIS, Clinical Associate Professor (Rush)  
WILLIAM J. GILLESBY, Clinical Associate Professor (DY)  
WILLIAM H. HARRIDGE, Clinical Associate Professor (DY)  
GEORGE A. OLANDER, Clinical Associate Professor (DY)  
JOHN R. ORNDORFF, Clinical Associate Professor (DY)  
CARL O. ALMQUIST, Clinical Assistant Professor, *Emeritus*  
RAYMOND E. ANDERSON, Clinical Assistant Professor  
CHARLES D. BRANCH, Clinical Assistant Professor  
C. DAVID BROWN, Clinical Assistant Professor  
ROBERT G. CANHAM, Clinical Assistant Professor  
JOSEPH P. CANNON, Clinical Assistant Professor  
JAMES H. CROSS, Clinical Assistant Professor  
WARD H. EASTMAN, Clinical Assistant Professor  
MELVIN I. GIBBEL, Clinical Assistant Professor

RAYMOND GREEN, Clinical Assistant Professor  
VERNON L. GUYNN, Clinical Assistant Professor  
RONALD G. HALEY, Clinical Assistant Professor  
RUSSELL C. HANSELMAN, Clinical Assistant Professor  
HARRY G. HARDT, JR., Clinical Assistant Professor  
ROBERT A. HESS, Clinical Assistant Professor  
VERNON Z. HUTCHINGS, Clinical Assistant Professor  
CARL IRENEUS, JR., Clinical Assistant Professor  
ROBERT W. JAMIESON, Clinical Assistant Professor  
FRANK R. JOHNSON, Clinical Assistant Professor  
GEORGE D. KAISER, Clinical Assistant Professor  
ANDREW KIRSTEINS, Clinical Assistant Professor  
FRANCES E. KNOCK, Clinical Assistant Professor  
JOHANNES L. KOPPEL, Assistant Professor of Biochemistry  
WILLIAM E. LOOBY, Clinical Assistant Professor  
KENNETH L. MATSON, Clinical Assistant Professor  
HAROLD I. MEYER, Clinical Assistant Professor  
WILLIAM E. NEVILLE, Clinical Assistant Professor  
ROBERT J. OVERSTREET, Clinical Assistant Professor  
MARTIN PEPPER, Clinical Assistant Professor  
JOHN H. PRIBBLE, Clinical Assistant Professor  
THOMAS SELLETT, Clinical Assistant Professor  
PHILIP SHAMBAUGH, Clinical Assistant Professor  
WILLIAM D. SHOREY, Clinical Assistant Professor  
ROBERT F. STOKES, Clinical Assistant Professor  
MILAN M. WASICK, Clinical Assistant Professor  
MILTON WEINBERG, JR., Clinical Assistant Professor  
CARL Y. WERELIUS, Clinical Assistant Professor  
ROBERT B. WHITE, Clinical Assistant Professor  
MICHAEL F. WITANOWSKI, Clinical Assistant Professor  
LEON J. WITKOWSKI, Clinical Assistant Professor  
HILGER P. JENKINS, Lecturer  
JEROME E. ABRAHAMS, Clinical Instructor  
BURTON R. BANCROFT, JR., Instructor (one year from July 1, 1963)<sup>2</sup>  
WALTER L. BARKER, Clinical Instructor (fourteen months from July 1, 1963)  
EUGENE A. BROCCOLO, Clinical Instructor  
DONALD M. BUCKNER, Instructor (one year from July 1, 1963)<sup>2</sup>  
RICHARD G. CALDWELL, Instructor (one year from July 1, 1963)<sup>2</sup>  
NOBLE CORRELL, Clinical Instructor  
MYLES P. CUNNINGHAM, Instructor (one year from July 1, 1963)<sup>1</sup>  
EDWARD A. DAINKO, Instructor (one year from July 1, 1963)<sup>2</sup>  
WILLIAM F. DIPPEL, Instructor (one year from July 1, 1963)<sup>2</sup>  
DOUGLAS G. A. EADIE, Instructor (one year from July 1, 1963)<sup>2</sup>  
LAWRENCE A. FAGARASON, Instructor (one year from July 1, 1963)<sup>2</sup>  
ERNEST M. FEILER, Clinical Instructor  
GLENN W. FISCUS, Clinical Instructor  
JOHN W. FRISCH, Clinical Instructor  
ANDRES GABEL, Clinical Instructor  
GORDON H. GLASSFORD, Clinical Instructor  
SAMUEL L. HAMILTON, Clinical Instructor  
JOSEPH F. HINKAMP, Clinical Instructor  
JOHANNES M. L. JENSEN, Clinical Instructor  
OLGA M. JONASSON, Instructor (one year from July 1, 1963)<sup>2</sup>  
MICHEL N. JURAYJ, Instructor (one year from July 1, 1963)<sup>2</sup>  
JOHN M. KENWELL, Clinical Instructor (fourteen months from July 1, 1963)  
CHARLES J. KOUCKY, Clinical Instructor  
WALTER R. LAWRENCE, Instructor (one year from July 1, 1963)<sup>2</sup>  
OSCAR S. LENIT, JR., Clinical Instructor  
DAVID R. LEWIS, Clinical Instructor  
ROBERT O. LEWIS, Clinical Instructor  
JOSEPH R. McANDREW, Clinical Instructor  
RANDALL E. McNALLY, Clinical Instructor  
CHAFICK N. MANSOUR, Clinical Instructor

A. GILMAN MIDDLETON, Instructor (one year from July 1, 1963)<sup>2</sup>  
 KATHALEEN M. MOGAN, Instructor (one year from July 1, 1963)<sup>1</sup>  
 EUDELL G. PAUL, Clinical Instructor  
 HAROLD A. PAUL, Clinical Instructor  
 PARVIZ PARSIA, Instructor (one year from July 1, 1963)<sup>2</sup>  
 ALCEU L. S. PEDREIRA, Instructor (one year from July 1, 1963)<sup>2</sup>  
 EDGAR R. PICKEN, Clinical Instructor  
 MORRIS M. PROFFITT, Clinical Instructor  
 JOHN G. RAFFENSPERGER, Clinical Instructor  
 OLIVER V. RENAUD, Clinical Instructor  
 LEO E. ROBERTSON, Instructor (one year from July 1, 1963)<sup>2</sup>  
 RUDOLPH W. ROESEL, Clinical Instructor  
 MARVIN M. ROMSDAHL, Instructor (one year from July 1, 1963)<sup>2</sup>  
 WENDELL H. SCHMIDTKE, Clinical Instructor (fourteen months from July 1, 1963)  
 ETHAN B. RUBEN, Instructor (one year from July 1, 1963)<sup>2</sup>  
 JAMES A. SANDROLINI, Instructor (one year from July 1, 1963)<sup>2</sup>  
 RICHARD C. SCHULTZ, Clinical Instructor  
 DAYLE O. SNYDER, Instructor (one year from July 1, 1963)<sup>1</sup>  
 JOHN M. SOMERNDIKE, JR., Instructor (one year from July 1, 1963)<sup>2</sup>  
 E. WILSON STAUB, Instructor (one year from July 1, 1963)<sup>2</sup>  
 ARNOLD B. SWERDLOW, Clinical Instructor  
 RICHARD A. TARIZZO, Clinical Instructor  
 KENNETH R. VANDER VENNET, Instructor (one year from July 1, 1963)<sup>2</sup>  
 ARTHUR R. WILLIAMSON, Clinical Instructor  
 KARL F. BADER, JR., Assistant (on leave of absence for military service)  
 MARK F. BLUM, Assistant (one year from July 1, 1963)<sup>2</sup>  
 ROBERT S. CALLAGHAN, Assistant (one year from July 1, 1963)<sup>2</sup>  
 J. ANTHONY BROWN, Assistant (one year from July 1, 1963)<sup>2</sup>  
 THOMAS E. CRONIN, Assistant (one year from July 1, 1963)<sup>2</sup>  
 ALEXANDER DOOLAS, Assistant (on leave of absence for military service)  
 ARDEAN J. EDIGER, Assistant (one year from July 1, 1963)<sup>2</sup>  
 JAY D. ELLENBY, Assistant (on leave of absence for military service)  
 JAMES H. FREEL, Assistant (one year from July 1, 1963)<sup>2</sup>  
 ELLIOT G. GOLDBIN, Assistant (one year from July 1, 1963)<sup>2</sup>  
 ROBERT P. GORDON, JR., Assistant (one year from July 1, 1963)<sup>2</sup>  
 ALLAN L. GRAHAM, Assistant (one year from July 1, 1963)<sup>2</sup>  
 JOHN W. HENGESH, Research Assistant (on leave of absence for military service)  
 WILLIAM R. JEWELL, Assistant (one year from July 1, 1963)<sup>2</sup>  
 WILLIAM T. JOHNSTONE, Assistant (one year from July 1, 1963)<sup>2</sup>  
 HARVEY J. LEVIN, Assistant (one year from July 1, 1963)<sup>2</sup>  
 FERN E. LIKHTE, Assistant (one year from July 1, 1963)<sup>2</sup>  
 WARREN L. LOWRY, Assistant (one year from July 1, 1963)<sup>2</sup>  
 LARRY O. MCKNELLY, Assistant (one year from July 1, 1963)<sup>2</sup>  
 ROGER L. MEHL, Assistant (one year from July 1, 1963)<sup>2</sup>  
 JOHN J. MINSTER, Assistant (one year from July 1, 1963)<sup>2</sup>  
 ERNEST A. NOREHAD, Assistant (one year from July 1, 1963)<sup>2</sup>  
 OSMAR P. STEINWALD, JR., Assistant (one year from July 1, 1963)<sup>2</sup>  
 WAYNE M. SWENSON, Assistant (one year from July 1, 1963)<sup>2</sup>  
 MICHAEL S. TAEKMAN, Assistant (one year from July 1, 1963)<sup>2</sup>  
 NICHOLAS L. TILNEY, Assistant (one year from July 1, 1963)<sup>2</sup>  
 GERRY R. TUVESON, Assistant (one year from July 1, 1963)<sup>2</sup>  
 JAMES R. WALTZ, Assistant (one year from July 1, 1963)<sup>2</sup>  
 WILFRED E. WATKINS, Assistant (one year from July 1, 1963)<sup>2</sup>  
 JEHOOM YANG, Assistant (one year from July 1, 1963)<sup>2</sup>

#### Division of Urology

NORRIS J. HECKEL, Clinical Professor of Urology (Rush)  
 EDWIN C. GRAF, Clinical Associate Professor of Urology  
 THEOPHIL P. GRAUER, Clinical Associate Professor of Urology  
 JAMES W. MERRICKS, JR., Clinical Associate Professor of Urology (Rush)  
 GEORGE O. BAUMRUCKER, Clinical Assistant Professor of Urology  
 JOSEPH S. DRABANSKI, Clinical Assistant Professor of Urology  
 R. ROSS HAEGER, Clinical Assistant Professor of Urology

WILLARD C. MEYER, Clinical Assistant Professor of Urology  
FRANK B. PAPIERNIAK, Clinical Assistant Professor of Urology  
COLQUITT O. RITCH, Clinical Assistant Professor of Urology  
FREDERICK W. SCHACHT, Clinical Assistant Professor of Urology  
CARL D. BERRY, JR., Clinical Instructor in Urology  
JAMES A. CALAMS, Clinical Instructor in Urology  
DANIEL H. CALLAHAN, Clinical Instructor in Urology  
THOMAS L. C. COTTRELL, Clinical Instructor in Urology  
ENGİN DENİZ, Clinical Instructor in Urology  
ALFONSO DIAZ, Clinical Instructor in Urology  
CHARLES F. MCKIEL, JR., Clinical Instructor in Urology  
WILLARD J. SMITH, Instructor in Urology (one year from July 1, 1963)\*  
JAMES C. VALENTA, Clinical Instructor in Urology  
CYRIL C. WIGGISHOFF, Clinical Instructor in Urology  
JOHN A. KOZAK, Assistant in Urology (one year from July 1, 1963)\*  
GARY A. STOREY, Assistant in Urology (one year from July 1, 1963)\*

### Division of Anesthesiology

ERNST T. MORCH, Clinical Professor of Anesthesiology  
PAUL W. SEARLES, Clinical Professor of Anesthesiology  
MARY M. LYONS, Clinical Associate Professor of Anesthesiology (Rush), *Emerita*  
JOHN L. SCHMIDT, Clinical Associate Professor of Anesthesiology (DY)  
JOHN E. CAWLEY, Clinical Assistant Professor of Anesthesiology  
MYRON J. LEVIN, Clinical Assistant Professor of Anesthesiology  
HERBERT E. NATOF, Clinical Assistant Professor of Anesthesiology  
JOSEPH E. REMLINGER, Clinical Assistant Professor of Anesthesiology  
DIGBY G. SEYMOUR, Clinical Assistant Professor of Anesthesiology  
ARTHUR T. SHIMA, Clinical Assistant Professor of Anesthesiology  
VERNON E. WALLACE, Clinical Assistant Professor of Anesthesiology  
HERSHELL L. KEELING, Clinical Associate in Anesthesiology  
HOWARD H. BERLIN, Clinical Instructor in Anesthesiology  
GWEN GLEAVE, Clinical Instructor in Anesthesiology  
EILEEN HECKEL, Clinical Instructor in Anesthesiology  
DAVID KATZ, Clinical Instructor in Anesthesiology  
STANKA K. PAPRIKOFF, Clinical Instructor in Anesthesiology  
RAYMOND F. ROSE, Clinical Instructor in Anesthesiology  
LESTER SCHWARTZ, Clinical Instructor in Anesthesiology  
VIVENTE B. SANTELICES, Instructor in Anesthesiology (one year from July 1, 1963)\*  
VINCENTO TRAINA, Clinical Instructor in Anesthesiology  
DAN A. VALENTI, Clinical Instructor in Anesthesiology  
RASMA V. VITRONGS, Clinical Instructor in Anesthesiology  
RAYMOND ZBICK, Clinical Instructor in Anesthesiology  
RONALD F. ALBRECHT, Assistant in Anesthesiology (one year from July 1, 1963)\*  
FRANCISCO M. ALVES, Assistant in Anesthesiology (one year from July 1, 1963)\*  
THOMAS L. ASHCRAFT, Clinical Assistant in Anesthesiology  
FELICISIMO N. BUENAFE, Assistant in Anesthesiology (one year from July 1, 1963)\*  
ELEUTERIO CARREIRA, Assistant in Anesthesiology (one year from July 1, 1963)\*  
CARLETON E. DANGREMOND, Clinical Assistant in Anesthesiology  
ROLAND W. DEYOUNG, Assistant in Anesthesiology (one year from July 1, 1963)\*  
HECTOR R. LEON, Assistant in Anesthesiology (one year from July 1, 1963)\*  
RAFAEL MACHADO, Assistant in Anesthesiology (one year from July 1, 1963)\*  
NORA G. MADRILEJO, Assistant in Anesthesiology (one year from July 1, 1963)\*  
WILLIAM R. MELBY, Clinical Assistant in Anesthesiology  
ANTONIO M. NOVO, Assistant in Anesthesiology (one year from July 1, 1963)\*  
MADDALENA F. PASTIKA, Assistant in Anesthesiology (one year from July 1, 1963)\*  
CYRUS PIRNAZAR, Assistant in Anesthesiology (one year from July 1, 1963)\*  
PABLO M. RIVERA, Assistant in Anesthesiology (one year from July 1, 1963)\*  
LOUIS ROE, Assistant in Anesthesiology (one year from July 1, 1963)\*  
FERDINANDO B. SCHIAPPA, Assistant in Anesthesiology (one year from July 1, 1963)\*  
ASTRIDA I. SILINS, Clinical Assistant in Anesthesiology  
EMMA C. TING, Assistant in Anesthesiology (one year from July 1, 1963)\*

EDWARD T. TOYOOKA, Assistant in Anesthesiology (one year from July 1, 1963)\*  
CHARLES H. WILLIAMS, Assistant in Anesthesiology (one year from July 1, 1963)\*  
DONALD H. WILLIAMS, Assistant in Anesthesiology (one year from July 1, 1963)\*  
WILLIAM E. WOLF, Assistant in Anesthesiology (one year from July 1, 1963)\*

#### **COOPERATIVE EXTENSION SERVICE IN AGRICULTURE AND HOME ECONOMICS**

(7) The Seventy-third General Assembly of Illinois enacted a bill, approved by the Governor on August 5, 1963, for "An Act relating to the establishment of County Agricultural and Home Economics Extension Councils and County Extension Boards to cooperate with the University of Illinois College of Agriculture Cooperative Extension Service and the United States Department of Agriculture in conducting educational programs in agriculture, home economics, and subjects relating thereto in the several counties, and authorizing the levy of an annual tax therefore."

This law authorizes counties to raise funds for support of these programs by taxation if approved by referendum, or to assign funds for the purpose from general revenues of the county and to pay such funds to the University of Illinois. The law also gives the Board of Trustees of the University additional authority in carrying out the programs of cooperative extension.

Distinctive features of this law are: (1) recognition by the Legislature of the County Extension Councils; (2) establishment of Extension Boards to serve as liaison groups between the County Councils and County Boards of Supervisors (or Commissioners); (3) specific delegation of the University of Illinois as an agency eligible to receive county funds in the support of Cooperative Extension programs in the counties; and (4) removal of the limitation of \$5,000 on funds which County Boards of Supervisors or Commissioners may allocate from county tax funds in support of the Cooperative Extension programs in counties where the population exceeds certain numbers.

In the past, the Board of Trustees has delegated administration of the activities of the Cooperative Extension Service through the President to the Director of the Cooperative Extension Service and, although there are no major policy or operational changes involved in the implementation of this new county extension law, it is deemed advisable for the Board to reaffirm its previous delegation of responsibility. The Dean of the College of Agriculture and Director of the Cooperative Extension Service requests approval by the Board of Trustees of the following:

#### **Delegation of Authority to the Director of Cooperative Extension to Carry Out the Provisions of the County Cooperative Extension Law**

The recently enacted County Cooperative Extension Law authorizes the Board of Trustees to provide for the creation of county extension councils and boards. Heretofore the University has administratively created and supervised similar councils. The Dean of the College of Agriculture and Director of the Cooperative Extension Service recommends that pursuant to the County Cooperative Extension Law, the Director of the University of Illinois Cooperative Extension Service, under the President of the University, be directed and authorized to establish county extension councils and multi-county councils, to establish procedures for their operation substantially as provided in the Extension Council Guide, a copy of which has been approved by the President and is filed with the Secretary of the Board, to create county extension boards, and to carry out the other provisions of said Act on behalf of the Board of Trustees of the University of Illinois.

A copy of the Extension Council Guide is submitted herewith.

I concur.

The Secretary reported that since some preliminary steps to initiate the implementation of this program needed to be taken prior to September 1, 1963, the Executive Committee of the Board was consulted and gave interim authorization, subject to further action by the Board of Trustees.

On motion of Mr. Swain, the Board delegated authority to the Di-



rector of Cooperative Extension to carry out the provisions of the County Cooperative Extension Law.

**CONTRACT FOR GAS SERVICE FOR HEATING PLANT  
AT CONGRESS CIRCLE**

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract with the Peoples Gas, Light, and Coke Company, Chicago, for gas service under the Interruptible Boiler Fuel Service, Classification No. V-3.

The fuel for the Heating Plant at the Congress Circle Campus has been planned for gas (Interruptible Boiler Fuel Service) during the summer months and oil during the winter months when gas is not available under this contract. The Service Classification recommended for the purchase of gas is No. V-3. This recommendation has been reviewed and concurred in by Sargent and Lundy, Consulting Engineers for the Heating Plant.

I concur.

On motion of Mr. Swain, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; not voting, Mr. Johnston; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

**CONTRACT FOR ELECTRICAL SERVICE FOR HEATING PLANT  
AT CONGRESS CIRCLE**

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of an agreement with Commonwealth Edison Company, Chicago, for the electrical service at the Congress Circle Campus, and that the University pay Commonwealth Edison Company the standard excess facility charges of \$12,920.

The planning for Congress Circle Campus construction requires installation of electrical service from Commonwealth Edison Company at the Heating Plant, 1100 South Morgan Street, Chicago.

Commonwealth Edison will supply electricity at 69 KV transformed to supply the University at 12 KV and 4 KV. The provision for 4 KV service (for the operation of large motors in the Heating Plant) is basically the reason for the excess facility charges of \$12,920. Sargent and Lundy, Consulting Engineers for the Heating Plant, estimated that the cost for supplying separate transformers to provide 4 KV service would be approximately \$40,000. By the acceptance of the excess facility charges, the University will save approximately \$27,000.

The demand and energy charges are the same as presently experienced at the undergraduate campus at Navy Pier, on a twenty-four month demand basis.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Swain, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

**CONTRACT FOR CONSTRUCTION AT  
ABBOTT POWER PLANT ADDITION**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$29,826 to Robert Gordon, Inc., Chicago, the lowest bidder, for miscellaneous piping and equipment at the Power Plant Addition — Boiler No. 7.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

A supporting statement, including a schedule of all bids received, is submitted herewith, and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, this contract was awarded by the fol-

lowing vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### **CONTRACT FOR AIR CONDITIONING ELECTRICAL ENGINEERING BUILDING**

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$73,941 to Reliable Plumbing and Heating Company, Champaign, the lowest bidder, this being the amount of the base bid plus alternates, for air conditioning the Electrical Engineering Building.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

A schedule of bids received is submitted herewith, and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### **AGREEMENT WITH NORTHERN ILLINOIS WATER CORPORATION FOR EXTENSION OF WATER SERVICE ON SOUTH FARMS**

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize its Secretary and the Comptroller to execute the following upon terms, conditions, and form approved by the Legal Counsel:

An agreement with the Northern Illinois Water Corporation for the extension of water service from the Water Corporation's 8-inch main in the right-of-way of Route 45 at the intersection of the A T & T Road and Route 45 east to the South First Street Road and north approximately 600 feet, on a cost basis but not to exceed \$11,760, for the main extension. In addition the University will pay on a cost basis for easements, meter vault, meter and service connection, and fire hydrants, or a total estimated cost of \$15,433.

A grant of right-of-way easement over the south 600 feet of the west 33 feet of the southwest quarter of section 30 township 19 north, range 9 east of the third principal meridian.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur and recommend adoption of the following resolution:

#### **Resolution**

*Be It, and It Hereby Is Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of conveyance, contract, or other document or documents as to them may seem necessary or desirable in order to grant to Northern Illinois Water Corporation, an Illinois corporation, hereinafter referred to as "Grantee," its successors and assigns, the right and easement to construct, reconstruct, operate, maintain, repair, alter, replace, move and remove a water line, which is not less than eight inches (8") in diameter, and other equipment appurtenant thereto, under, through and across the land hereinafter described and the right of ingress to and egress therefrom. Grantee shall agree to repair any damage caused to property of this Corporation by the construction, reconstruction, operation, maintenance, repairing, alteration, moving and removing of said water line. The right-of-way easement shall remain in full force and effect from the date granted and for so long thereafter as said water transportation line is continued in service and has not been abandoned and discontinued. Upon termination of the easement Grantee shall peaceably surrender possession of said premises to this Corporation and full and complete title then shall remain in this Corporation

free and clear of said easement. The right-of-way easement shall be over the following-described property:

Situated in the State of Illinois, the County of Champaign, and consisting of the West Thirty-three (33) feet of the south Six Hundred (600) feet of the Southwest Quarter (SW  $\frac{1}{4}$ ) of Section Thirty (30), Township Nineteen (19) North, Range Nine (9) East of the Third Principal Meridian.

On motion of Mr. Johnston, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### **RENEWAL OF LEASE FOR SPACE AT 606½ EAST GREEN STREET, CHAMPAIGN, ILLINOIS**

(13) The University of Illinois Foundation on July 9, 1958, entered into an agreement with Bailey and Himes, Inc., Champaign, for the rental of 2,400 square feet of space on the second floor at 606½ East Green Street, Champaign, Illinois, for a five-year period commencing September 1, 1958. The space is used by the College of Journalism and Communications for part of its Television-Motion Pictures operations.

The Foundation has subleased the space to the Board of Trustees of the University of Illinois for biennial periods on the same terms and conditions as outlined in the lease between the Foundation and Bailey and Himes, Inc.

In negotiations for renewal of the lease for an additional five-year period, the owner has stated that due to increased costs, a rental rate increase of \$192 per year would be necessary.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the University of Illinois Foundation be requested to renew the lease at the increased rental rate and that the Secretary of the Board and the Comptroller be authorized to execute a sublease agreement with the University of Illinois Foundation at the increased rental rate.

I concur.

On motion of Mrs. Watkins, this recommendation was approved, and authority was given as requested.

#### **RENEWAL OF LEASE FOR SPACE AT 611-13 EAST GREEN STREET, CHAMPAIGN, ILLINOIS**

(14) The University of Illinois Foundation on July 9, 1958, entered into an agreement with Tom Merlo for the rental of 3,200 square feet of space on the second floor at 611-13 East Green Street, Champaign, Illinois, for a five-year period commencing September 1, 1958. The space is used by the Visual Aids Section of the Division of University Extension.

The Foundation subsequently subleased the space to the Board of Trustees of the University of Illinois for biennial periods on the same terms and conditions as outlined in the lease between the Foundation and Mr. Merlo.

In negotiations for renewal of the lease for an additional five-year period, the owner has stated that due to increased costs, a rental rate increase of \$144.00 per year would be necessary.

The Board of the University of Illinois Foundation has agreed to the increased rental subject to approval by the Board of Trustees.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Secretary of the Board and the Vice-President and Comptroller be authorized to execute a sublease agreement with the University of Illinois Foundation at the increased rental rate.

I concur.

On motion of Mrs. Watkins, this recommendation was approved, and authority was given as requested.

#### **LEASES OF PROPERTIES FOR WOMEN'S HOUSING**

The Executive Committee presented the following report:

All space in University residence halls for undergraduate women was assigned prior to August 1, and there were no vacancies in approved private housing facili-

ties for women. As a result, no additional permits to enter could be issued to undergraduate women unless additional housing facilities were found.

The Director of Housing, the Director of the Physical Plant, and the Vice-President and Comptroller recommend authorization of the leasing of the following properties on the terms and for the periods indicated for use as housing for undergraduate women students:

- 1007 South Fifth Street, Champaign, first semester of 1963-64, at a rental of \$2,475, with option to renew for the second semester at the same rate. This property will provide rooms and cooking privileges for twenty undergraduate women plus a house director.
- 1112 West California, Urbana, first semester of 1963-64, at a rental of \$2,485, to accommodate thirty-four undergraduate women plus a house director.
- 107 West California, Urbana, for one year from September 1, at a rental of \$18,000. This property is a new apartment building containing twelve two-bedroom apartments which will provide housing for forty-four undergraduate women plus a house director.

The rentals charged the occupants of these properties will be sufficient to cover the rental plus the operating costs.

A majority of the Board members authorized in writing the Executive Committee to approve these leases, and the Executive Committee authorized the Comptroller and Secretary of the Board to execute the leases.

This report is submitted for record.

WAYNE A. JOHNSTON  
FRANCES B. WATKINS  
HOWARD W. CLEMENT  
*Chairman*

A. J. JANATA  
*Clerk*

#### **ADDITION TO CONTRACT FOR ILLINOIS STREET RESIDENCE HALLS**

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$10,418 in the contract with Kuhne-Simmons Company, Inc., Champaign, for construction of the Illinois Street Residence Halls for furnishing and installing three walk-in coolers and one walk-in freezer in the food service area, which were not included in the original contract.

Funds are available in the project budget.

I concur.

On motion of Mr. Swain, this change in contract was authorized.

#### **ADDITION TO CONTRACT FOR CONSTRUCTION OF ILLINI UNION ADDITION**

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$6,259.76 in the contract with Felmley-Dickerson Company, Inc., Urbana, for construction of the Illini Union addition to include additional remodeling work in the Commons dining room on the ground floor which will complete the improvements in this area.

Funds are available in the construction budget.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

#### **CONTRACT FOR CAMPUS DEVELOPMENT CONSULTING SERVICES**

(17) The present contract with the firm of Sasaki, Walker, and Associates, Inc., Watertown, Massachusetts, for consulting services in the area of long-range campus and landscape development expired June 30, 1963. The Director of the Physical Plant and the Vice-President and Comptroller recommend continuation of the employment of this firm for consulting services until June 30, 1965, to:

Review and advise on landscape and site design work initiated by the Division of Campus Development on specific projects included in the University's building program.

Advise and make recommendations on long-range campus planting plans.  
Furnish objective review and comments concerning general campus landscape and grounds improvements.

The estimated total annual cost is \$5,000.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Johnston, this recommendation was approved.

# **REAPPROPRIATION OF UNEXPENDED BALANCES AS OF JUNE 30, 1963**

(18) The Vice-President and Comptroller recommends that the following balances and overdrafts in budget appropriations June 30, 1963, be carried forward for the fiscal year beginning July 1, 1963, in accordance with usual policy.

I concur.

## *Urbana-Champaign*

General administration and expense.....	\$ 64 755		
Executive Vice-President and Provost, instructional television in other departments.....	\$14 224		
Vice-President and Comptroller, microfilming records.....	614		
Legal Counsel, special legal services.....	1 341 <sup>1</sup>		
Public Information, state fair exhibit.....	110 <sup>1</sup>	13 387	\$ 78 142
Agriculture.....			77 652
Commerce and Business Administration.....			5 604
Education.....			12 723
Engineering.....	834		
Engineering technology curriculum committee.....	13 600		
Technician need study.....	4 538	18 138	18 972
Fine and Applied Arts.....			13 627
Graduate College.....			19 809
Journalism and Communications.....			14 880
Law.....			453
Liberal Arts and Sciences.....	48 397		
Census tracts, Champaign County.....	2 090		
Anthropology, field training program.....	993		
Geography, Illinois resources atlas.....	1 426	4 509	52 906
Physical Education.....			4 057 <sup>1</sup>
University Extension.....			46 308
Veterinary Medicine.....			11 650
Other schools and colleges.....	6 040		
Institute of Aviation, electronic technology.....	12 080		18 120
Libraries and Library School.....			11 633 <sup>1</sup>
Physical Plant			
Regular operation and maintenance.....	175 173		
Renewals and replacements.....	207 364		
Assembly Hall utilities.....	100 000	482 537	
Unexpended plant			
Admissions and Records, special equipment.....	7 206		
McKinley Hospital, overbed tables and closets.....	5 852		
Agriculture Administration, special assignment.....	5 028		
Agricultural Engineering, special equipment.....	2 200		
Animal Science, prefabricated refrigeration walk-in-room.....	12 000		
Dixon Springs, purchase of truck.....	3 258		
Burnsides Laboratory, equipment and moving.....	8 448		
Food Science, special equipment.....	1 200		
Forestry, pressure-vacuum cylinder.....	8 627		
Forestry, plywood shear testing machine.....	2 700		
Forestry, special equipment.....	3 100		
Bevier Hall, electrical service.....	7 740		
Pell Farm, improvements.....	19 616		
Education Administration, special equipment.....	2 089		
Elementary Education, special equipment.....	1 317		
Vocational and Technical Education, special equipment.....	4 780		
University High School, special equipment.....	6 476		
Civil Engineering, equipment (National Science Foundation matching grant).....	35 100		

<sup>1</sup> Deduct.

Civil Engineering, special equipment.....	50 587
Civil Engineering, Universal testing machine.....	25 500
Electrical Engineering, analogue computer.....	10 612
Electrical Engineering, special equipment.....	3 768
Mechanical and Industrial Engineering, analogue computer.....	8 000
Mechanical and Industrial Engineering (National Science Foundation matching grant).....	35 000
Mining, Metallurgy, and Petroleum Engineering, special equipment.....	9 437
Nuclear Engineering, special equipment.....	7 272
Physics, special equipment.....	2 609
Architecture, special equipment.....	3 996
Art, special equipment.....	20 347
Music, special equipment.....	10 711
Graduate College, flexo-writer.....	1 322
Television cable and equipment.....	12 926
Language Laboratory, equipment.....	24 970
Chemistry, equipment (National Science Foundation matching grant).....	25 172
Chemistry and Chemical Engineering, special equipment.....	42 249
English, special equipment.....	2 220
Geology, special equipment.....	2 296
Physiology, equipment (National Science Foundation matching grant).....	25 707
Psychology, equipment (National Science Foundation matching grant).....	24 980
Zoology, special equipment.....	6 015
Physical Education, special equipment.....	10 588
University Extension, special equipment.....	2 040
University Press, inserting machine for Mailing Center.....	3 000
Library, special equipment.....	13 102
Electrical Engineering, building equipment.....	2 319
Physical Plant, load lugger.....	1 262
Architectural studies for future buildings.....	25 916
Improving lighting in classrooms.....	52 913
Minor improvements.....	1 744
Parking facilities.....	1 108
Remodeling and minor additions unassigned.....	16 496
704 South Sixth Street, remodeling.....	4 390
Volatile Storage Building.....	3 909
Dixon Springs, staff houses.....	1 386
Dairy Science, milk handling room.....	22 500
Dairy Science, minor buildings.....	15 961
Physical Plant, sheep metabolism unit.....	21 873
Physics Betatron, prefabricated metal buildings.....	8 000
Central Receiving Station.....	1 425
Arcade Building, remodeling.....	3 209
Armory, remodeling.....	7 886
Arcade Building, air conditioning.....	8 000
English Building, remodeling.....	3 054
McKinley Hospital, nurse call system.....	15 081
Agricultural Engineering Building, remodeling.....	1 111
Animal Sciences Laboratory, remodeling room 345.....	3 400
Animal Sciences Laboratory, remodeling room 420.....	4 385
Agronomy Storehouse, electrical service.....	3 480
Dairy Barn, free stalls.....	16 750
Horticulture Field Laboratory, remodeling.....	25 150
David Kinley Hall, electrical service.....	18 480
Gregory Hall, air conditioning.....	3 330
Lincoln Hall, remodeling room 24.....	12 125
Civil Engineering Hall, air conditioning.....	10 773
Civil Engineering Hall, remodeling.....	15 223
Wood Shop, remodeling.....	47 740

Smith Music Hall, lighting.....	5	560	
Armory Rifle Range, renovation.....	17	680	
Chemistry Annex, remodeling.....	67	350	
Gregory Hall, remodeling room 446.....	4	380	
Harker Hall, remodeling.....	1	886	
Illini Hall, prefab sound room.....	1	361	
Lincoln Hall, remodeling.....	10	474	
Natural History Building, remodeling.....	33	377	
Noyes Laboratory, remodeling.....	23	773	
Men's Old Gymnasium, remodeling.....	7	250	
Skating Rink, roof repairs.....	38	079	
Veterinary Clinic, painting.....	1	746	
Library, remodeling room 19.....	2	124	
807 South Lincoln Avenue, remodeling.....	7	954	
Dixon Springs, improvements.....	4	610	
Dixon Springs, laboratory repairs and replacements.....	2	864	
1208 West Springfield Avenue, remodeling.....	2	637	
Central Receiving Station, remodeling.....	6	590	
Hydraulics Research Laboratory, remodeling.....	8	950	
Quonset building, remodeling.....	1	862	
1205 West Nevada Street, relocation and remodeling.....	59	000	
26 East Springfield Avenue, remodeling.....	1	150	
1207 West Oregon Street, renovation.....	3	318	
907 South Sixth Street, remodeling.....	4	273	
Bicycle parking areas.....	2	445	
Bicycle lanes.....	1	946	
Stadium Drive recreational area.....	12	079	
Women's Gymnasium, sidewalks.....	3	155	
Storm sewer, improvements.....	2	500	
Orchard Street, machine shed.....	6	994	
Animal Science, farm improvements.....	16	092	
Thirty-seven items ranging from \$8 to \$903.....	13	935	1 278 936
<i>Total, Urbana-Champaign.....</i>			<i>(2 116 629)</i>
<i>Medical Center, Chicago</i>			
General administration and expense.....	3	131	
Estimates and alterations.....	3	867	6 998
Aeromedical and Physical Environment.....			1 058
Medicine.....			16 208
Dentistry.....			3 471
Pharmacy.....			1 038
Graduate College.....			19 885
Nursing.....			2 566 <sup>1</sup>
Physical Education for Men.....			2 000
Division of Services for Crippled Children.....			305 055
Research and Educational Hospitals.....			47 562 <sup>1</sup>
Library.....			454 <sup>1</sup>
Physical Plant			
Regular operation and maintenance.....	38	221	
Renewals and replacements.....	105	113	
Medical Center Steam Plant.....	82	672	226 006
Unexpended plant			
Medical Research Laboratory, electronic air cleaners, installation.....	1	154	
Physical Plant, ducts, replacement.....	30	384	
Physical Plant, room 125, partitioning.....	1	193	
Orthopaedics Center, rehabilitation.....	1	359	
Television equipment.....	5	468	
Dental Admitting Clinic, remodeling.....	2	034	
Chemistry, special equipment.....	6	238	
Drug and Horticulture Station, special equipment.....	7	181	
Pharmacy, special equipment.....	6	966	
Manufacturing Pharmacy area, remodeling.....	1	699	
Research and Educational Hospitals, special equipment.....	65	540	

<sup>1</sup> Deduct.

Vacumatic sterilizer, purchase and installation.....	2 703	
Research and Educational Clinics, furniture and equipment.....	7 068	
Spectrophotometer, purchase.....	8 000	
Hospital Residence, special equipment.....	2 400	
Research and Educational Nursing, furniture and equipment.....	2 541	
Research and Educational Nursing, special equipment.....	2 400	
Research and Educational Operating and Recovery Rooms, special equipment.....	4 250	
Research and Educational Pathology, special equipment.....	1 400	
Fluoroscopic units, purchase.....	30 435	
Intercommunication system, replacement.....	2 289	
Research and Educational Radiology, special equipment.....	21 548	
Architectural studies for future buildings.....	7 599	
Telephone centrex system, installation.....	8 840	
Twenty-six items ranging from \$74 to \$819.....	11 583	242 272
<i>Total, Medical Center, Chicago.....</i>		<i>(773 409)</i>
<i>Chicago Undergraduate Division</i>		
General administration and expense.....	6 100	
Auditorium expense.....	529	
Demographic statistical study.....	249 <sup>1</sup>	6 380
Liberal Arts and Sciences.....		13 269
Engineering.....		9 749
Architecture and Art.....		4 310 <sup>1</sup>
Graduate College.....		2 405
Business Administration.....		1 074
Physical Education.....		1 669
Armed Forces.....		667
Library.....		5 540
Physical Plant		
Regular operation and maintenance.....	14 720	
Building rentals and insurance.....	8 103	22 823
Unexpended plant		
Computer program, special equipment.....	7 571	
Engineering, laboratory equipment.....	11 271	
Physics, special equipment (Atomic Energy Commission matching grant).....	6 000	
University facilities, equipment and remodeling.....	11 602 <sup>1</sup>	
Snack Bar, lighting.....	1 217	
Six items ranging from \$98 to \$720.....	2 462	16 919
<i>Total, Chicago Undergraduate Division.....</i>		<i>(76 185)</i>
<i>Grand Total.....</i>		<i>\$2 966 223</i>

On motion of Mrs. Watkins, these reappropriations were approved by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### CONTRACT FOR PUBLICATION OF PROGRAMMED INSTRUCTIONAL MATERIAL

(19) The Dean of the College of Medicine and the Vice-President for the Medical Center recommend authorization of a contract between the Board of Trustees of the University of Illinois, Dr. Arnold Wolf (author), and the Williams and Wilkins Company (publisher), 428 East Preston, Baltimore, Maryland, for publication of a programmed book, *Introduction to Body Fluid Metabolism*, prepared as a scholarly contribution by Dr. Arnold Wolf, Professor and Head of the Department of Physiology in the College of Medicine, with the assistance of technical programming experts provided by the Office of Research in Medical Education.

The proposed tripartite contract for publication of this work will provide for an equal division of royalties between Dr. Wolf and the University. This arrange-

<sup>1</sup> Deduct.



ment has been approved by the Executive Vice-President and Provost, the Vice-President and Comptroller, and the Legal Counsel.

I concur.

On motion of Mr. Williamson, this contract was authorized.

## PURCHASES

### Purchases Authorized

(20) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and from University revolving funds authorized by law.

#### *Purchase from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Two silos, size 14 ft. diameter by 35 ft. high, including foundation and concrete floor to be furnished and erected at the University Beef Farm, Urbana	Animal Science	Madison Silos, Division of Martin-Marietta Corp., El Paso	\$ 3 635 00 f.o.b. delivered and erected

#### *Purchases from Institutional Funds*

One tachistoscope, three-channel, with a total of five time interval generators, one for each channel, and two to control durations between channels	Psychology	Scientific Prototype Manufacturing Co., New York, N.Y.	\$ 3 236 00 f.o.b. delivered
Print and bind 5,000 copies, Unit 5 Students' Edition, <i>High School Mathematics</i> , trim size 8½ in. by 11 in., approximately 300 pages per copy	University Press	Braun & Brumfield, Ann Arbor, Mich.	3 478 00 f.o.b. delivered
2,325 signs, parking lot, complete with aluminum back and scotchlite face 6,300 numerals, one in. high, scotchlite 2,000 letters, one in. high, scotchlite 1,000 numerals, two in. high, scotchlite 600 letters, two in. high, scotchlite For the new parking program	Physical Plant	Illinois State Penitentiary, Pontiac	6 604 00 f.o.b. Pontiac
294 shelves, plywood, size 1 ft. by 6 ft. by ¾ in.	Physical Plant, Architect's Division	Brewer Woodwork, Urbana	3 622 00 f.o.b. delivered
216 shelves, plywood, size 1 ft. by 4 ft. by ¾ in.			
To be made from ¾-in. standard hard-wood plywood with birch or maple veneer, walnut strip edging ¾-in. thick on three sides, walnut finish, to be used as book shelves in offices of the Armory addition			
One replacement rotor support and other related repair parts for the Burrill Hall air compressor unit, which is part of the air conditioning system for the building including the system for the constant temperature rooms used in research	Physical Plant	York Corp., Chicago	2 890 04 f.o.b. York, Pa.

On motion of Mrs. Watkins, these purchases were approved.

### Purchases Recommended

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation

grants and grants from corporations and other donors, and from University revolving funds authorized by law.

*Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One infrared spectrophotometer and accessories (Note: This purchase is made from both Appropriated Funds, \$6,237.50, and Institutional Funds, \$30.50, for a total of \$6,268.00.)	Pharmacy-Chemistry, Chicago	The Perkin-Elmer Corp., La Grange	\$ 6 237 50 delivered
Ultrasonic cleaning equipment	Research and Educational Hospitals, Chicago	Zimmer-Ramsay Associates, Chicago	3 950 00 delivered
6,575 diploma covers; this is the total requirement for Urbana and the Medical Center for the period of September 25, 1963, through June 30, 1964	Admissions and Records	The Welch Scientific Co., Chicago	7 364 00 f.o.b. delivered
4,392 ring binders, three ring, various sizes	Office Supply Storeroom	Standard Stationery Supply, Chicago	6 486 48 f.o.b. delivered
Furnish and apply asphalt and aggregate for seven small parking lots, an alley, and a service drive on the Urbana campus, and provide seal coating for Orchard Street area within Orchard Downs housing area of the Urbana campus (Note: This purchase is made from both Appropriated Funds, \$3,377.00, and Institutional Funds, \$1,320.00, for a total of \$4,697.00.)	Physical Plant	Parro Construction Corp., Urbana	3 377 00 f.o.b. delivered and applied
One lathe, tool room type, 13 in. by 42 in. centers, with 14½ in. swing over bed and complete with collets and motor	Physical Plant	R. K. LeBlond Machine Tool Co., Oak Park	4 792 27 f.o.b. Cincinnati, Ohio
One grinder, surface, hydraulic, 10 in. by 16 in. to be used by the Physical Plant Department's machine shop for general toolroom work	Physical Plant	The Jackson-Fotsch Co., Chicago	4 127 00 f.o.b. delivered
Print and bind 6,000 copies of 1963-64 <i>Student Directory</i> , trim size 5½ in. by 8½ in., approximately 296 pages per copy	University Press	Cushing-Malloy, Inc., Ann Arbor, Mich.	2 762 00 f.o.b. delivered
Labor, equipment, and material to repair and coat 215,000 sq. ft. of the roof of the Mechanical Engineering Laboratory with a glass fabric material similar to that now on the roof	Physical Plant Storeroom	Coatings Application Corp., St. Louis, Mo.	3 019 00 f.o.b. installed

*Purchases from Institutional Funds*

One automatic gas chromatograph and accessories	Biological Chemistry, Chicago	Wilkins Instrument & Research, Inc., Walnut Creek, Calif.	\$ 4 136 44 delivered
One continuous liquid flow detector	Biological Chemistry, Chicago	Packard Instrument Co., Inc., La Grange	2 750 00 delivered
One ultracentrifuge with two fixed-angle rotors	Biological Chemistry, Chicago	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	9 542 00 delivered
One flame photometer attachment for the Clinical Research Center's auto-analyzer	Clinical Research Center, Chicago	Technicon Instrument Co., Chauncey, N.Y.	2 900 00 f.o.b. Chauncey, N.Y.
One photomicroscope and accessories	Illustration Studios, Chicago	W. H. Kessel & Co., Chicago	3 766 30 delivered
One lot of laboratory supplies and equipment consisting of one spectrophotometer and power supply, 20 dozen plastic bottles, six plastic carboys, 48 rolls aluminum foil, 12 glass funnels, 24 bottles oil of cedar, six plastic pails, one pipette rinser, 200 ft. plastic tubing, three dozen slide boxes, 200 oz. microscope cover glasses, 50 gross microscope slides, 192 sponges, 144 vials heparinized capillary tubes	Medicine, Chicago	LaPine Scientific Co., Chicago	3 670 00 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Labor and material to construct a tile drainage system on Allerton Trust Farm No. 6	Agricultural Economics	Clyde I. Williams, Homer	\$ 15 936 20 f.o.b. delivered and installed
One gas chromatograph with electron capture detector, columns, injectors, filters, and tubing complete with recorder and disc integrator, to be used to determine the residues in the soil resulting from the application of weed killers	Agronomy	Wilkins Instrument & Research, Inc., Walnut Creek, Calif.	2 802 30 f.o.b. delivered
One furnace, high temperature, with pneumatic motor, safety system, and sighting bracket, to be used in the study of the effect of firing (heating) in the range of 3,500 to 4,000 degrees Fahrenheit on the optimization of properties of refractories	Ceramic Engineering	Bickley Furnaces, Inc., Philadelphia, Pa.	7 832 95 f.o.b. delivered
One recorder, tape, FM portable, with four record channels and four playback channels, dynamic braking on all modes of operation, electronic phase lock from tone wheel for speed control, calibration unit for adjusting the instrument while in place, speeds of 30, 15, 3½, and 1 ¼ in. per second, signal to noise ratio never less than 42 db. (Note: This purchase is made from both Appropriated Funds, \$1,210, and Institutional Funds, \$5,600, for a total of \$6,810.)	Chemistry and Chemical Engineering	Minneapolis-Honeywell Regulator Co., Harvey	5 600 00 f.o.b. delivered
Three spectrophotometers, power supply, hydrogen lamp, test tube holders, temperature regulation assembly, 48 autotransformers and 2,850 ft. of plastic laboratory tubing for stock in the General Chemical Stores; this is an estimated three-month supply	General Chemical Stores	Schaar Scientific Co., Chicago	7 250 00 f.o.b. delivered
One lot of laboratory apparatus and supplies, estimated to be a three-month supply	General Chemical Stores	E. H. Sargent & Co., Chicago	93 103 09 f.o.b. delivered
One carrier system (power amplifiers), four-channel, to furnish additional driving power for existing recording oscillograph system	Civil Engineering	Consolidated Electrodynamics, Chicago	3 972 00 f.o.b. Pasadena, Calif.
One shadow box mount			
100 racks circuit card relay files for standard relay rackmounts for 30, 22-pin connectors at 9/16 in. centers to mount 3.9-in. board with foot dimensions of 0.18 in.; connectors not included; delete guide foot spacers and stainless steel rods	Digital Computer Laboratory	Applied Development Corp., Monterey Park, Calif.	2 905 00 f.o.b. Monterey Park, Calif.
50,000 diodes, silicon	Digital Computer Laboratory	Texas Instruments, Inc., St. Louis, Mo.	7 000 00 f.o.b. Dallas, Texas
System of five power supply units, d.c., silicon controlled rectifier design, output voltage 2 to 20 volts continuously, 20 volts d.c. 600 amps. d.c. output, current of one supply: minimum 50 amps. and maximum 120 amps.	Digital Computer Laboratory	NJE Corp., c/o Ridgway Associates, Inc., Chicago	7 650 00 f.o.b. delivered
One special receiving system, including a two-frequency receiver, 360 mc. preamplifier, and two-frequency signal generator	Electrical Engineering	Smyth Research Associates, San Diego, Calif.	13 699 00 f.o.b. San Diego, Calif.
One preset electronic timer, with increments down to 0.1 seconds	Nuclear Engineering	Central Engineering Sales Co., Lombard	2 618 00 f.o.b. delivered
Three scalars, 6 decade, with 10 volt positive polarity			
One cabinet for mounting the above equipment as a unit			
One coincidence system, comprised of three coincidence channels with plug-in units and three linear amplifiers, for use in a study of the beta spectrum from fission	Nuclear Engineering	Central Engineering Sales Co., Lombard	4 335 00 f.o.b. delivered

Item	Department	Vendor	Cost
One lathe, toolroom engine type, 18 in. between centers, 12-in. swing over bed with variable spindle speeds and variable power feed	Physics	Hardinge Brothers, Inc., Chicago	\$ 7 375 00 f.o.b. delivered
Seven single crystals of highest purity anhydrous lanthanum trichloride to be used in measurements of electron spin relaxation times	Physics	Semi-Elements, Inc., Saxonburg, Pa.	3 300 00 f.o.b. delivered
One amplifier, vibrating reed type, with 10 c.p.s. response and gain of 2 by $10^6$ , stability of 1 by $10^{-10}$ amperes zero drift per hour	Physics	Applied Physics Corp., Chicago	3 550 00 f.o.b. delivered
Two electrometers, vibrating reed type, ten input ranges of 1 millivolt to 30 volts, capable of detecting $10^{-10}$ amperes, 5 by $10^{-10}$ coulombs and .02 millivolts	Physics	Applied Physics Corp., Chicago	4 090 00 f.o.b. delivered
Two multiple resistor switches for use with above with three input resistors of $10^6$ , $10^4$ , and $10^3$ ohms			
Nine microscopes, phase contract with revolving nosepieces, condenser carrier with rack and pinions, square stages with built-on mechanical stages without graduation, but including inclined binocular bodies; less trade-in of three obsolete microscopes (Note: This purchase is made from both Institutional Funds, \$4,176.45, and Appropriated Funds, \$2,691.96, for a total of \$6,868.41.)	Physiology and Biophysics Zoology	W. H. Kessel & Co., Chicago	4 176 45 f.o.b. delivered
Four oscilloscopes, dual-beam, sensitivity 200 microvolt/cm to 20 v/cm; d.c.-coupled, both beams, differential input at all sensitivities; calibrated sweep 1 microsecond/cm to 5 sec/cm; x-y curve tracing with two beams; range of d.c. to 100 kc, increasing to d.c. to 1 mc.	Physiology and Biophysics	Tektronix, Inc., Park Ridge	4 200 00 f.o.b. Beaverton, Ore.
Four recorder assemblies, each to be two-channel, expandable to six-channel, ink curvilinear recording, 2 per cent linearity, 2 microvolt/mm input, d.c. to 150 c/s frequency response; 200 packs recording paper	Physiology and Biophysics	Beckman Instruments, Inc., Spinco Division, Lincolnwood	9 810 00 f.o.b. delivered
18,300 pounds of clams, soft shell ( <i>Mya arenaria</i> ), shucked but intact, packed in number 10C enamel cans, and refrigerated for delivery in four shipments to the Quartermaster Corps Radiation Center in Natick, Massachusetts	Veterinary Medicine	Maryland Clam Co., Inc., Easton, Md.	11 300 25 f.o.b. delivered
One laboratory glassware washer, fully automatic with spindle headers which direct a high-speed jet water stream into the glassware	Veterinary Medicine	Better Build Machinery Corp., New York, N.Y.	3 036 00 f.o.b. delivered
Print and bind six issues of <i>Illinois Teacher of Home Economics</i> , 4,000 copies per issue, approximately 48 pages per copy, trim size $8\frac{1}{2}$ in. by 11 in.	Home Economics Education	Cushing-Malloy, Inc., Ann Arbor, Mich.	3 450 00 f.o.b. Ann Arbor, Mich.
University's share of program for the acquisition, cataloging, and preparation of printed catalog cards for publications received from India and Pakistan under the Public Law 480 Program covering the period July 1, 1963, through June 30, 1964	Library	Library of Congress, Washington, D.C.	6 500 00
Tabulating forms for use on IBM-type 407 accounting machines and IBM-type 1403 printers in the following sizes and quantities: 70,000 sets, overall size $14\frac{1}{4}$ in. wide by 11 in. long 120,000 sets, overall size $10\frac{1}{2}$ in. wide by 11 in. long 75,000 sets, overall size $8\frac{1}{2}$ in. wide by 11 in. long	Statistical Service Unit	Moore Business Forms, Inc., Danville	2 776 65 f.o.b. delivered
Print and bind 1,500 copies of <i>National Party Platforms, 1840-1960</i> , by Kirk Porter and Donald B. Johnson, approximately 656 pages per copy, trim size $7\frac{1}{4}$ in. by 10 in.	University Press	Braun-Brumfield, Inc., Ann Arbor, Mich.	3 861 00 f.o.b. delivered

<i>Items</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Thirty-one films, 16 mm. miscellaneous, color and black and white	Visual Aids Service	Coronet Films, Chicago	\$ 3 915 00 f.o.b. delivered
Thirteen films, 16 mm. color, "Your Career" series	Visual Aids Service	Modern Learning Aids, Chicago	2 730 00 f.o.b. delivered
64 air filters in 65 ft. continuous lengths and in widths of 3 ft., 4 ft., and 5 ft., to be used in air filtering machines in various areas of the Assembly Hall	Assembly Hall	Air Filter & Equipment Co., Chicago	2 706 00 f.o.b. delivered
125 dozen sheets, bed, 63 in. by 108 in., type 140	Housing Division	Karoll's, Inc., Chicago	2 917 50 f.o.b. delivered
125 dozen pillowcases, 42 in. by 36 in., type 140			
30 cases containers, pint size, with lids	Office Supply Storeroom	Levin Brothers Paper Corp., Chicago	13 905 25 f.o.b. delivered
621 cases cups, hot and cold drink and soufflé, various sizes			
110 cases lids, various sizes, for above cups			
110 cases straws, soda and malt			
100 cases caps, paper, self adjusting			
120,000 sandwich bags, waxed			
For Office Supply Storeroom stock; this is a ten to twelve-month supply			
Tape, magnetic recording, acetate base, as follows:	Office Supply Storeroom	Melvin Electronics, Chicago	3 624 96 f.o.b. delivered
2,400 rolls 1200 ft. each			
432 rolls 600 ft. each			
Fifty-five panelboards, necessary panel-board trim, and 324 circuit breakers for the Physical Plant Storeroom stock to be used for remodeling and upgrading of various electrical systems around the Urbana campus; this is an estimated six-month supply	Physical Plant	Westinghouse Electrical Supply, Danville	4 268 76 f.o.b. delivered
One camera, high speed, 16 mm. 100 ft. capacity, 150 to 6,000 pictures per second, with timing light, automatic cutoff at end of film, record oscillographic trace and picture image simultaneously, two 50 mm. F 2.0 lenses, two-sided rotating prism, shutter speed 1/30,000 second at 6,000 pictures/second	Agricultural Engineering	Behrend's, Inc., Chicago	3 760 00 f.o.b. delivered
One control unit			
One exposure meter			
One lens, 35 mm. F 2.0, picture image			
Furnish and install:	Agronomy	Thomas A. Edison Industries, Peoria	9 408 00 f.o.b. delivered and installed
Twenty dictating machines, fully transistorized, desk model, complete with dictating accessories			
Twelve transcribing machines, fully transistorized, desk model, complete with transcribing accessories			
Less trade-in of ten dictating machines and six transcribing machines			
One planchet counting system, with automatic low background and time printout, consisting of the following components: one sample changer, one printing timer, one scaler, sample pans and one betareference standard radioisotope	Agronomy	Nuclear-Chicago Corp., Des Plaines	6 053 50 f.o.b. delivered
One program system control center consisting of program selector assembly; timer assembly; plug-in line cords, plugs, and sockets; strip chart 12-in. potentiometer recorder; and silicon controlled rectifier power unit, 3KVA output at 25 amps. maximum	Ceramic Engineering	Barber-Colman Co., Industrial Instruments Division, Chicago	3 534 99 f.o.b. delivered
One radio frequency unit with matching probe, one crystal for modifying above for study of lithium, and one probe insert for above crystal, to be used to study the nuclei of lithium and phosphorus	Chemistry and Chemical Engineering	Varian Associates, Palo Alto, Calif.	3 500 00 f.o.b. delivered
(Note: This purchase is made from both Institutional Funds \$3,500.00, and Appropriated Funds, \$2,326.95, for a total of \$5,826.95.)			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One spectrophotometer with range of 1750 to 8000 angstroms repetitive scan, program timer, mercury arc assembly, thermostable absorption cell compartment, absorptivity recorder and wavelength marker pen for qualitative and quantitative studies of any ultraviolet or visible absorbing material in studies of kinetics and structure determinations of purine type compounds	Chemistry and Chemical Engineering	Applied Physics Corp., Monrovia, Calif.	\$ 15 175 00 f.o.b. delivered
One ultracentrifuge, preparative, refrigerated, and with vacuum system complete with high-capacity angle head rotor and high-capacity swinging bucket rotor, to be used in separating a lipoprotein component from the electron-transport complex	Chemistry and Chemical Engineering	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	9 797 00 f.o.b. delivered
Two X-ray generators and controls, 60 kvp., 50 ma., adaptable for X-ray spectrograph with tubehousing, shutters, filter selector discs and rectifiers, but excluding X-ray tubes, less trade-in of five X-ray generators with tubes	Chemistry and Chemical Engineering	Philips Electronic Instruments, Chicago	9 275 00 f.o.b. delivered
Two X-ray diffraction tubes (one copper and one cobalt target)			
One film illuminator and measuring device			
Five track and bracket assemblies			
One lot chemical solvents to be used as standard stock in the General Chemical Stores for the fall and winter term of 1963-64	General Chemical Stores	F. P. Jay Chemicals, Inc., Waukesha, Wis.	5 010 77 f.o.b. delivered
435 items laboratory chemicals to be used as stock in the General Chemical Stores for the fall and winter term of 1963-64	General Chemical Stores	J. T. Baker Chemical Co., Chicago	9 406 44
		Mallinckrodt Chemical Works, St. Louis, Mo.	6 742 78
		General Chemical Division, Allied Chemical Corp., Chicago	4 446 57
		Fisher Scientific Co., Chicago	2 537 70
		Quinton Co., Division of Merck & Co., Inc., Rahway, N.J.	1 882 08
		F. P. Jay Chemicals, Inc., Waukesha, Wis.	596 10
			(25 611 67) delivered
One microwave sweep oscillator, 8.2 to 12.4 GC, 10 MW output, with power leveler, to be used in the Coordinated Science Laboratory in conjunction with federal research projects	Coordinated Science Laboratory	Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago	3 090 00 f.o.b. Palo Alto, Calif.
One X-ray diagnostic system consisting of power supply and tube, cine fluoroscope, and body section radiographic equipment, to be used in the study of the effect of speech and mastication on the jaw joint	Dental Radiology, Chicago	General Electric Co., X-Ray Department, Milwaukee, Wis.	62 075 00 delivered
5,000 transistors, 15 volt, epitaxial, mesa PNP, germanium, switching	Digital Computer Laboratory	Motorola Semiconductor Products, Inc., Chicago	3 250 00 f.o.b. Phoenix, Ariz.
1,000 hours special engineering services for design and fabrication of special electronic equipment for ultrasonic research	Electrical Engineering	Lechner Manufacturing Co., Champaign	7 000 00 f.o.b. Champaign
One lathe, toolroom, precision, high speed, 11-in. swing over bed and 18-in. distance between centers, with collets, chucks, taper turning attachment, and micrometer carriage stop	Electrical Engineering	Hardinge Brothers, Inc., Chicago	7 798 00 f.o.b. delivered
One ultra-microtome with stereomicroscope attachment for use in general laboratory work in the Entomology Department	Entomology	Ivan Sorvall, Inc., Norwalk, Conn.	3 427 50 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One hexotherm apparatus for use in studies of growth and metabolic responses of psychrophilic microorganisms using a given inoculum or cell suspension	Food Science	American Instrument Co., Inc., Barrington	\$ 7 682 50 f.o.b. Silver Spring, Md.
One manometer, special, multiple tube, portable, back lighted, suitable for photographic recording techniques, to be used to measure several pressures simultaneously on equipment placed in an existing wind tunnel	Mechanical and Industrial Engineering	Carl F. Gast Co., St. Louis, Mo.	3 397 00 f.o.b. delivered
Furnish engineering, materials, and labor to fabricate a steam jet ejector unit, capacity to be 5 lb/hr 100° F. dry air, over-all dimensions not to exceed 43 ft. 3 in. in length and 9 ft. 6 in. in width (Note: This purchase is made from both Institutional Funds \$15,475.00, and Appropriated Funds, \$15,475.00, for a total of \$30,950.00.)	Mechanical and Industrial Engineering	Worthington Corp., Chicago	15 475 00 f.o.b. delivered
Furnish engineering, materials, and labor to fabricate a test chamber, 6 ft. 1 in. diameter by 6 ft. long (Note: This purchase is made from both Institutional Funds, \$4,216.50, and Appropriated Funds, \$4,216.50, for a total of \$8,433.00.)	Mechanical and Industrial Engineering	Nooter Corp., St. Louis, Mo.	4 216 50 f.o.b. St. Louis, Mo.
One electrophoresis apparatus with all-cylinder lens system for schlieren and interference measurements, polaroid land-camera back, internal power supply and self-contained refrigeration system	Microbiology	The Perkin-Elmer Corp., La Grange	8 843 00 f.o.b. delivered
One tape-to-plotter conversion system	Physics	Microdyne, Inc., Wheeling	5 082 00 f.o.b. delivered
One each, single crystals, silver and gold, 99.999 per cent purity, large enough so that six specimens may be obtained from each single crystal with orientations and lapping	Physics	Semi-Elements, Inc., Saxonburg, Pa.	3 476 00 f.o.b. Saxonburg, Pa.
19,500 cc. high purity helium gas at standard temperature and pressure, supplied in three containers, each of 6,500 cc.	Physics	Gaseous Isotopes Sales, Monsanto Chemical Co., Mound Laboratory, Miamisburg, Ohio	3 240 00 f.o.b. Miamisburg, Ohio
One high-speed digital magnetic tape unit consisting of four magnetic tape drives which shall be electrically and mechanically compatible with the connections provided for interconnection of a Control Data Corporation 1607 to CDC types 1604 and 160-A computers, located at the University of Illinois, to be factory reconditioned with a new unit warranty, including all maintenance and parts for a period of ninety days from date of acceptance	Physics	Control Data Corp., Melrose Park	50 000 00 f.o.b. Minneapolis, Minn.
Care and maintenance of dogs and cats in a special private animal room, 250 sq. ft., completely weatherproofed, air conditioned, and heated, with a maximum permissible temperature range of 70° to 80° F; facilities must be capable of handling a maximum of 16 dogs and 24 cats simultaneously; however, the average daily number will be five dogs and five cats, for the period October 1, 1963, through June 30, 1965, as part of a special neurophysiological research project sponsored by the United States Public Health Service and the Corn Products Institute of Nutrition	Psychology	Dr. Russell Beaumont, Veterinarian, Urbana	3 500 00 f.o.b. delivered
Two recorders, oscillograph, direct recording with interchangeable pre-amplifiers, two channels wired for six channels, high sensitivity	Psychology	Spinco Division, Beckman Instruments, Inc., Lincolnwood	8 925 50 f.o.b. delivered
One ditto, except four channels, wired for six channels			
Twenty-two films, 16 mm., miscellaneous black and white and color, less return of damaged prints	Visual Aids Service	Encyclopaedia Britannica Films, Inc., Wilmette	3 360 00 f.o.b. Wilmette

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Print and bind 10,000 copies of <i>Robert Allerton Park</i> brochure, trim size 9 in. by 12 in., approximately forty pages per copy	Allerton House	Neely Printing Co., Inc., Chicago	\$ 2 965 00 f.o.b. delivered
One spectrophotometer, recording range 1750-8000 Å with ten rectangular cylindrical, and semi-micro cells for use in the separation and purification of cell membrane proteins of <i>Escherichia Coli</i>	Chemistry and Chemical Engineering	Applied Physics Corp., Monrovia, Calif.	12 480 00 f.o.b. delivered
One stained glass window panel, French thirteenth century, size 69½ in. high by 27½ in. wide, from Semur-en-Auxois, consisting of two circular medallions topped by a lunette; the medallions are flanked on four sides by fleur-de-lis and surrounded by wine-leaf border	Krannert Art Museum	French & Co., Inc., New York, N.Y.	6 400 00 f.o.b. delivered
Furnish and install seventy-four auxiliary sun control draperies, complete with hardware, in the Student Services Building	Physical Plant, Architect's Division	Crossroads Interiors, Urbana	4 967 10 f.o.b. delivered and installed
Two aircraft, used, 1963 model, Cessna 150, complete with all standard equipment plus Narco superhomer navigation equipment, rotating light beacon, ammeter and 35 ampere generator; less credit for trade-in of one aircraft, model L-18 Lockheed, twin engine, complete with communication and navigation equipment	Institute of Aviation	Walston Aviation, Inc., East Alton	3 276 00 f.o.b. delivered

On motion of Mrs. Watkins, these purchases were authorized.

#### COMPTROLLER'S REPORT OF CONTRACTS

(21) The Comptroller's report of contracts executed during the period August 1 to 31, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
National Academy of Sciences—Highway Research HR 63-4-1	Development of appropriate methods for evaluating the effectiveness of stabilizing agents	\$ 65 000 00	June 1, 1963
National Academy of Sciences—Highway Research HR 63-6-5	Physical factors influencing resistance of concrete to deicing agents	72 500 00	March 1, 1963
National Aeronautics and Space Administration NsG-443	Experimental test of general relativity	180 000 00	July 1, 1963
National Aeronautics and Space Administration NsG-504	Investigate electron density and collision frequency in the lower regions of the ionosphere	155 540 00	August 1, 1963
United States Air Force AF33-(608)-923	Provide instruction for approximately 84 students	65 100 00	July 1, 1963
United States Army DA-18-108-AMC-183(A)	Mechanism of action of various psychotomimetic agents	41 429 00	June 10, 1963
United States Army OI-11-070-003-09998	Acquisition of dynamometer	3 470 00	June 29, 1963
United States Department of Health, Education, and Welfare OE-4-10-008	Acceleration of intellectual development in early childhood	73 981 00	July 1, 1963
United States Department of the Interior— National Park Service 14-10-0529-2743	Archeological survey and site salvage of the Shelbyville reservoir area and Henderson River flood control project	6 000 00	June 25, 1963
United States Navy N228-61998	Instruction of officer students	5 500 00	June 25, 1963
<i>Total</i>		<u>\$668 520 00</u>	
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Joseph C. Munch, States Attorney of Moultrie County	Payment in lieu of taxes, for services rendered (Hackett property)	\$ 1 070 78	April 9, 1963



## Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Commercial National Bank of Peoria (renewal)	Rental of rooms 718-722, second floor, Central National Bank Building premises, Peoria, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children	\$ 6 480 00 (\$270.00 per month)	July 1, 1963
G. W. and Mattie Lee Fülberth (renewal)	Rental of two-room suite, second floor, 719 Main Street, Mount Vernon, from July 1, 1963, to September 30, 1963, for Division of Services for Crippled Children	195 00 (\$65.00 per month)	July 1, 1963
Cyril J. Hovey, Jr. (renewal)	Rental of three-room suite, first floor, 414 East Main Street, Olney, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children	2 400 00 (\$100.00 per month)	July 1, 1963
V. W. Hurlbert (renewal)	Rental of four rooms, first floor, 602 South Broadway, Urbana, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children	2 640 00 (\$110.00 per month)	July 1, 1963
International Business Machines Corp.	Thirteen items: one calculator; one interpreter; one reproducer; twenty-five keypunches; two telephone signal units; one card proving punch; one memory unit; one overlap feature for 1401; one data channel; one data channel console; one nondata select trap	37 252 80	March, April, July, and August, 1963
Herman Lippold	Rental of two-room suite, first floor, 223 South Broad Street, Carlinville, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children	1 920 00 (\$80.00 per month)	July 1, 1963
Henry S. Miller, Agent (renewal)	Rental of suite 602, sixth floor, 101 South Fifth Street, Springfield, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children	3 960 00 (\$165.00 per month)	July 1, 1963
National Warm Air Heating and Air Conditioning Association (renewal)	Rental of 1014 Lincolnshire Drive, Champaign, from July 1, 1963, to August 31, 1964, for Small Homes Council-Building Research Council	3 500 00 (\$250.00 per month)	July 1, 1963
119 North Church Street Building Corp. (renewal)	Rental of four-room suite, second floor, 119 North Church Street, Rockford, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children	6 120 00 (\$255.00 per month)	July 1, 1963
Jacob E. and Gladys W. Reisch (renewal)	Rental of premises at 1105 South Sixth Street, Springfield, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children	13 200 00 (\$550.00 per month)	July 1, 1963
Security Abstract & Title Co. (renewal)	Rental of six-rooms, second floor, 10 West Washington Street, Belleville, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children	6 240 00 (\$260.00 per month)	July 1, 1963
Sycle & Keefe, Inc.	Rental of three-rooms, first floor, 1510 North Main Street, Bloomington, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children	3 000 00 (\$125.00 per month)	July 1 1963
Charles D. Taylor	Rental of space, first floor, 516-520 South McKinley Street, Harrisburg, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children	3 000 00 (\$125.00 per month)	July 1, 1963
Theo Wells	Rental of concrete-block building, 608 West Tenth Street, Metropolis, from June 1, 1963, to June 30, 1963, for zoonoses research	200 00	June 1, 1963
Theo Wells (renewal)	Rental of concrete-block building, 608 West Tenth Street, Metropolis, from July 1, 1963, to August 31, 1963, for zoonoses research	400 00 (\$200.00 per month)	July 1, 1963
<b>Total</b>		<b>\$ 90 507 80</b>	

## Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
American Gas Association	Corrosion of steels buried in soils	\$10 000 00	January 16, 1963
Dawe's Laboratories, Inc.	Amino acids in poultry nutrition	1 000 00	July 8, 1963
Illinois Archaeological Survey	Archaeological salvage work	1 665 00	August 15, 1963
The Institute of Boiler and Radiator Manufacturers	Performance of steam and hot water heating systems	35 740 00	July 1, 1963
Moorman Manufacturing Co.	Pig starter rations	2 600 00	July 31, 1963
National Aeronautics and Space Administration NsG-24-59	Electron content and variations in the upper ionosphere	119 083 00	July 1, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-2	Highway problems	16 500 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-5	Riveted and bolted structural joints	11 000 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-9	Impact on highway bridges	25 000 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-10	Prestressed reinforced concrete highway bridges	29 500 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-12	Soil exploration and mapping	30 000 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-46	Soil-aggregate mixtures for highway pavement	25 200 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-47	Chemical stabilization of soils	7 500 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-53	Vehicular speed regulation	27 000 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-58	Equipment for roadside cover	18 500 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-59	Highway medians	20 000 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-64	Welded highway structures	26 000 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-65	Drainage laws and practices	16 000 00	May 29, 1963

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-66	Woody ground cover	\$13 500 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-67	Grasses and their establishment	12 000 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-68	Guide lines for appraisals	3 000 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-69	Traffic-linkage patterns	6 000 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-70	Social factors and traffic	10 100 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-71	Impact on urban real estate values	20 000 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-72	Creep in structural concrete	17 500 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-73	Fatigue failure in concrete	17 500 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-75	Seal coats and surface treatments	14 500 00	May 29, 1963
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-76	Lime stabilization of soils	17 000 00	May 29, 1963
United States Air Force AF33(657)-11715	Dynamic characteristics of skin-stiffener panels	11 712 00	August 9, 1963
United States Army DA-49-193-MD-2047	Anti-radiation drugs	24 948 00	June 28, 1963
United States Navy NObs-86112	Pressure vessel design	7 000 00	July 23, 1963
<i>Total</i>		<u>\$597 048 00</u>	

## Adjustments Made in 1962-63 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Twelve items: \$117.85 deduct to \$287.59	\$ 440 89	July, 1963

## Adjustments Made in 1963-64 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
George S. Grimmatt (Plastering)	Thirty-three items: \$25.00 to \$3000.00	\$ 8 415 00	July and August, 1963

## Summary

Total amount to be paid to the University.....	\$1 265 568 00
Total amount to be paid by the University.....	100 434 47

This report was received for record.

# QUARTERLY REPORT OF THE COMPTROLLER

(22) The Comptroller presented his quarterly report to the Board as of June 30, 1963.

This report was received for record, and a copy has been filed with the Secretary of the Board.

## INVESTMENT REPORT

### Report of the Finance Committee

(23) The Finance Committee reported the following changes in investments of endowment funds for the month of July, 1963:

#### Endowment Pool

Purchase					
\$ 65 000	U. S. Treasury bonds	4 per cent	8/15/72		\$ 65 043 75

#### Miller Temporary Endowment

Sale					
500 rts	Consolidated Edison				\$ 187 42

### Report of the Comptroller

The Comptroller reported the following changes in investments of unexpended plant and current funds, over which he has authority as indicated:

#### Current Funds

Restricted Group (June 20, 1962)

Purchase					
\$1 000 000	U. S. Treasury bills		9/26/63		\$994 855 00

#### Construction Funds

Assembly Hall (June 23, 1959, and March 17, 1962)

Purchase					
\$ 175 000	U. S. Treasury bills		10/17/63		\$173 588 87

Illini Union and Health Center (December 21, 1960)

Purchase					
\$ 78 000	U. S. Treasury bills		10/17/63		\$ 77 373 01

Illinois Street Residence Halls (October 17, 1962)

Sale					
\$ 6 000	U. S. Treasury bills		7/15/63		\$ 5 996 50

Purchase					
\$ 45 000	U. S. Treasury bills		12/12/63		\$ 44 415 40

Orchard Downs and SG-2 (June 14, 1960)

Sale					
\$ 65 000	U. S. Treasury bills		7/15/63		\$ 64 945 83

Purchase					
\$ 120 000	U. S. Treasury bills		10/17/63		\$119 035 40

Orchard Downs Addition (May 24, 1962)

Sale					
\$ 8 000	U. S. Treasury bills		7/18/63		\$ 7 993 22
45 000	U. S. Treasury bonds	2½ per cent	8/15/63		44 971 88

Purchase					
\$ 75 000	U. S. Treasury bills		9/12/63		\$ 74 643 75
25 000	U. S. Treasury bills		10/24/63		24 800 63

Pennsylvania Avenue Residence Halls (June 21, 1961)

Purchase					
\$ 68 000	U. S. Treasury bills		9/19/63		\$ 67 628 87

Student Services Building (May 17, 1961)

Purchase					
\$ 40 000	U. S. Treasury bills		9/19/63		\$ 39 781 69

*Sinking Funds*

Housing Revenue Bonds (December 17, 1958; June 23 and October 21, 1959; June 14, 1960; June 21, 1961; and May 24 and October 17, 1962)

*Purchase*

\$ 46 000	U. S. Treasury bills	9/19/63	\$ 45 497 78
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(The following transactions took place in previous periods, but they have not yet been reported.)

Assembly Hall (June 23, 1959)

*Purchase*

\$ 22 000	U. S. Treasury bills	3/21/63	\$ 21 847 41
25 000	U. S. Treasury bills	9/19/63	24 726 11

Women's Residence Halls of 1956 (September 18, 1956, and February 15, 1961)

*Sale*

\$ 1 000	U. S. Treasury notes	3¾ per cent	8/15/64	\$ 1 010 91
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On motion of Mr. Williamson, this report was accepted for record.

**CONGRESS CIRCLE CAMPUS LAND TRANSFERS TO AND FROM  
COMMONWEALTH EDISON COMPANY**

(24) At its April 17, 1963, meeting, the Board of Trustees authorized an arrangement with Commonwealth Edison Company whereby that company will contribute to the cost of certain work to be done by the University in erecting a screening wall around Commonwealth Edison's Vernon Park Substation in the area of the Congress Circle Campus and in refacing parts of the southerly portion of the substation building. At that time it was recognized that transfers of land between the University and Commonwealth Edison might be required to accomplish the work.

It has now been determined that the proper placement of the University's screening wall requires the acquisition by the University of approximately 106 square feet of land from the Commonwealth Edison Company at the northeast corner of its Vernon Park Substation which that Company is willing to sell to the University. It has also been determined that the refacing of the southerly portion of the substation wall will cause the same to encroach upon the University's property by approximately 106 square feet and Commonwealth Edison Company has requested that this area be sold to them. The Department of Urban Renewal of the city of Chicago has approved the sale of this land to Commonwealth Edison, as required by the University's contract with the City. A sales price of \$1.008 per square foot (the price at which the University acquired its property from the City) has been negotiated for each of the proposed transfers.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the foregoing purchase and sale transactions with Commonwealth Edison Company be authorized. Funds for the purchase are available in the state capital appropriations to the University from the Universities Building Fund.

I concur and recommend the adoption of the following resolution:

**Resolution**

*Be It, and It Hereby Is Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this Corporation are authorized and directed to execute, acknowledge, and deliver, in the name and on behalf of this Corporation, a quitclaim deed and such other instruments of conveyance, contract, or other documents, and to provide such evidence of insurance of title, as to them may seem necessary or desirable in order to convey and quitclaim to Commonwealth Edison Company, an Illinois corporation, its successors and assigns, this Corporation's interest in and to the following described property, consisting of approximately 106 square feet located in the City of Chicago, County of Cook, and State of Illinois, upon payment by said Commonwealth Edison Company to this Corporation of the sum of \$106.85 as the consideration therefor:

A tract of land in the East half of the Southeast quarter of Section 17, Township 39 North, Range 14 East of the Third Principal Meridian, in the City of Chicago, County of Cook, State of Illinois, described as follows:

Beginning at a point on the West line of South Peoria Street (60 feet wide) which is 226.62 feet South of the North line of Lot 12 in the Subdivision of Block 2 of Canal Trustees' Subdivision in said Section 17 (3366.00N. - 562.53W.); thence North 90° 00'-00" East along the Grid Coordinate line 3366.00 North, a distance of 0.64 feet to the Grid Coordinate Line 561.89 West (3366.00N. - 561.89W.); thence South 00° 00'-00" West along the Grid Coordinate Line 561.89 West, a distance of 74.31 feet to the Grid Coordinate Line 3291.69 North (3291.69N. - 561.89W.); thence South 90° 00'-00" West along the Grid Coordinate Line 3291.69 North, a distance of 103.22 feet to the Grid Coordinate Line 665.11 West (3291.69N. - 665.11W.); thence North 00° 00'-00" East along the Grid Coordinate Line 665.11 West, a distance of 104.78 feet to the Grid Coordinate Line 3396.47 North (3396.47N. - 665.11W.); thence North 90° 00'-00" East along the Grid Coordinate Line 3396.47 North, a distance of 0.31 feet to the West line of Lots 1 to 12, both inclusive, in the Subdivision of Block 2, aforesaid (3396.47N. - 664.80W.); thence South 00° 03'-09" West along the West line of said Lots 1 to 12, both inclusive, a distance of 104.61 feet to the North line of West Vernon Park Place (3291.86N. - 664.90W.); thence North 89° 52'-14" East along the North line of West Vernon Park Place, a distance of 102.31 feet to the West line of South Peoria Street (3292.09N. - 562.59W.); thence North 00° 02'-39" East along the West line of South Peoria Street, a distance of 73.91 feet to the point of beginning. Containing 106 Square Feet, more or less.

Note: The coordinates given in parentheses following the description of each point are based upon the University of Illinois, Congress Circle, Rectangular Coordinate System.

On motion of Mr. Johnston, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dillard, Mr. Hughes, Mr. Kerner.

#### EASEMENTS AND LICENSES RELATING TO CONGRESS CIRCLE CAMPUS

(25) The University's contract with the city of Chicago for the acquisition of the Congress Circle Campus site provides that certain public streets through and adjoining the campus will remain open and contemplates that the University will receive easements across some of these streets for pedestrian bridges and underpasses and for University utility lines. The city of Chicago has passed appropriate ordinances authorizing the grant of these easements to the University. Receipt of the formal easement documents is expected in the near future.

The acquisition contract also provides for the closing of other public streets and alleys, but permits the City to convey title to the University subject to necessary easements for underground utilities. Many of the existing city and public utility lines to remain on the site are situated in areas that were public streets and alleys which were vacated by ordinances of the city immediately prior to the conveyances to the University. These vacation ordinances reserve easements to the City and to utility companies to enable them to operate, maintain, replace, and renew existing service facilities at their present locations in the vacated streets and alleys, such easements to terminate upon the abandonment or release of the facilities or upon their relocation outside the vacated street or alley. In addition, the vacation ordinances for the streets and alley surrounding the Commonwealth Edison Company's Vernon Park Substation reserve to that company the right of access to the substation. The easements reserved in the vacation ordinances are in favor of the city of Chicago for its water, sewer, and fire alarm system lines; the Peoples Gas, Light, and Coke Company for its gas lines; the Commonwealth Edison Company for its electric lines (and access to its substation as noted above); and the Illinois Bell Telephone Company for its telephone lines. Descriptions of the specific locations of the utility lines in the vacated streets and alleys are being developed, and when these are available it is contemplated that the City and the various utilities will relinquish their rights in the portions of the vacated streets and alleys not required for the maintenance of the existing lines to remain in place.

In addition to the above easements reserved in the vacation ordinances, the City and the various utility companies will require new easements from the University so that certain utility lines can be relocated or routed over the site to accommodate the University's construction. For that portion of its fire alarm system that will be located in the University's utility tunnel, the City will require a license from the University. The locations of these new easements and licenses have been developed by the University's architects and engineers in cooperation with the City and each of the utilities involved. Also it may become desirable to grant new easements at the time the City and public utilities relinquish some of the areas covered by the vacation ordinances.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that, with respect to the portion of the Congress Circle Campus site now owned by the University, easements or licenses be granted to the city of Chicago for its water, sewer, and fire alarm lines, to Commonwealth Edison Company for its electric lines and access to its Vernon Park Substation, to Peoples Gas, Light, and Coke Company for its gas lines, and to Illinois Bell Telephone Company for its telephone lines.

I concur and recommend adoption of the following resolution:

#### Resolution

*Be It, and It Hereby Is Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this Corporation are authorized and directed to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of grant, conveyance, contract, or other documents as to them may seem necessary or desirable in order to grant to the grantees and for the purposes hereinafter designated, easements or licenses under, through, and across those parcels of real estate, located in the City of Chicago, County of Cook, and State of Illinois, conveyed to this Corporation by City of Chicago, a municipal corporation of the State of Illinois, (a) by a certain deed dated April 19, 1963, recorded May 3, 1963, with the Recorder of Deeds of Cook County, Illinois, as Document 18786647 and filed in the office of the Registrar of Titles, Cook County, as Document LR 2089129, and (b) by a certain deed dated July 18, 1963, recorded August 1, 1963, with the Recorder of Deeds of Cook County, Illinois, as Document 18871166. Said grantees and purposes are as follows:

(1) City of Chicago, a municipal corporation of the State of Illinois for the purpose of accommodating its underground water, sewer and fire alarm system lines and facilities, together with appropriate access thereto;

(2) Peoples Gas Light and Coke Company, an Illinois corporation, for the purpose of accommodating its underground gas lines and facilities, together with appropriate access thereto;

(3) Commonwealth Edison Company, an Illinois corporation, for the purpose of accommodating its underground electric lines and facilities, together with appropriate access thereto, and for the purpose of providing said grantee suitable ingress and egress to said grantee's property adjoining or within said parcels of real estate; and

(4) Illinois Bell Telephone Company, an Illinois corporation, for the purpose of accommodating its underground telephone lines and facilities, together with appropriate access thereto.

On motion of Mr. Pogue, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### STATE LEGISLATION AFFECTING THE UNIVERSITY OF ILLINOIS

(26) There is presented for the information of the Board a list of Acts of the Seventy-third General Assembly of Illinois in its regular session of 1963 directly affecting the University, including the appropriations to the University.

*I. Acts Relating to the Operating and Capital Budgets of the University*

- Senate Bill 1025. Appropriates \$168,890,681 to provide for the operation of the University during the biennium of 1963-65:  
 From the General Revenue Fund.....\$153 390 681  
 From the University Income Fund..... 15 500 000
- House Bill 965. Appropriates \$192,000 for operation of the Institution of Tuberculosis Research.
- Senate Bill 1177. Declares certain building projects to be in the public interest pursuant to the Illinois Building Authority Act. Included are the following University of Illinois projects:  
 Equipment for buildings constructed from Universities Building Fund.....\$ 4 799 500  
 Land acquisition Urbana-Champaign..... 1 000 200  
 Planning funds to complete architectural studies for Congress Circle..... 900 000  
 Civil Engineering Building..... 4 216 000  
 Veterinary Medicine Clinic..... 4 000 000  
\$ 14 915 700
- Senate Bill 1226. Appropriates \$5,108,840 to the Board of Trustees of the University of Illinois from the General Revenue Fund for permanent improvements:  
 Remodeling, rehabilitation, and modernization of existing buildings.....\$ 2 900 000  
 Improvements to protect life and property..... 258 840  
 Extension of utilities..... 1 950 000
- Senate Bill 1221. Reappropriates \$74,400,000 from the Universities Building Fund to the Board of Trustees for capital improvements started in 1961-63. Includes new items of \$2,000,000 for an addition to the Biology Building and \$3,000,000 for an addition to the East Chemistry Building.
- Senate Bill 1233. Appropriates sums to various State Agencies to pay rentals to the Illinois Building Authority. Included was \$1,790,000 for the University of Illinois.

*II. Other Legislation*

- House Bill 137. Amends Sections 2 and 8 of the Fair Employment Practices Act. Provides that "employer" includes and means the state of Illinois and any political subdivision. Provides for oral argument before the Commission on review.
- House Bill 665. Prohibits the sale of alcoholic liquor within 1,500 feet of the campus of any state university. Exempts places of business selling beer only, which are in operation on the effective date of the act.
- House Bill 735. Appropriates \$80,000 to the Department of Agriculture to study the treatment and control of diseases of swine and livestock. Authorizes the Director of Agriculture to establish a swine disease control committee and requires the department to arrange for such research to be carried on and conducted by the College of Veterinary Medicine of the University of Illinois.
- House Bill 829. Amends the School Code to increase the number of teachers scholarships awarded per high school. Increases number of county scholarships from one to two per county. Provides for the use of both types of scholarships at any of the state universities.
- House Bill 842. Changes various provisions in the University of Illinois Retirement System Act including an increase in the maximum retirement annuity from 60 to 70 per cent, for those persons beyond age sixty with thirty-four or more years of service. The increase is at the rate of  $1\frac{2}{3}$  per cent for each year of employment beyond age sixty.



- House Bill 1148. Amends an act regulating the Illinois Industrial University. Changes the name of the act to "An Act in Relation to the Regulation of the University of Illinois" and updates provisions to conform with present program of the University. Clarifies authority of the Board of Trustees to determine nature of military program offered.
- House Bill 1181. Authorizes the Teachers College Board to establish a branch of Northern Illinois University in the northern half of the state to provide vocational and technical training and to make provisions for furnishing of extension services by the University, subject to the approval of the State Board of Higher Education.
- Senate Bill 353. Amends Section 14 of and adds Section 14a to an Act in relation to state finance. Provides that upon the death of a state employee, his heirs shall be entitled to receive the sum for any accrued vacation period as would have been paid to such employee had he survived.
- Senate Bill 421. Amends Section 13 of an Act relating to state finance. Repeals the required itemization of appropriations based on each function and activity of state agencies.
- Senate Bill 434. Amends Section 35.6 of the Civil Administrative Code. Provides that all postage stamps purchased from state funds must be procured by the Department of Finance and perforated for identification purposes.
- Senate Bill 594. Appropriates \$96,500 to the Illinois Racing Board from the Agriculture Premium Fund for the purposes of research on equine diseases, the establishment of a development center, and for naming scholarships for study on equine diseases to students at the University of Illinois College of Veterinary Medicine.
- Senate Bill 731. Authorizes the University of Illinois and Southern Illinois University Boards of Trustees and the Teachers College Board to transfer jurisdiction of property to the Illinois Building Authority with the approval of the Governor.
- Senate Bill 754. Declares the construction of a Materials Research Laboratory for use by the Board of Trustees of the University of Illinois to be in the public interest.
- Senate Bill 802. Provides for the establishment of County Agricultural and Home Economics Extension Councils and County Extension Boards to cooperate with the University of Illinois College of Agriculture Cooperative Extension Service in conducting educational programs in agriculture. Authorizes extension of tax to finance same.
- Senate Bill 858. Extends powers of University of Illinois Police Department (at Urbana) to include same powers as policemen in cities, and sheriffs.
- Senate Bill 1043. Conveys certain real estate (Neuropsychiatric Institute) in Chicago to the Board of Trustees of the University of Illinois.
- Senate Bill 1044. Conveys certain real estate (site for Mental Health clinic) in Champaign County by the Board of Trustees of the University of Illinois to the state of Illinois.
- Senate Bill 1094. Amends Sections 1, 2, 3, and 4 of an Act to provide for the identification of state-owned vehicles to provide that the words "State of Illinois" in letters three inches high shall appear on the front doors of all state vehicles not specifically exempted from the Act, with the words "For official use" in letters two inches high to appear immediately below.
- Senate Bill 1098-99. Amends Section 14 of an Act in relation to state finance to authorize State universities to permit their employees to accept reduced compensation and receive in lieu thereof the payment of premiums on annuity contracts.

- Senate Bill 1161. Amends Sections 3, 5, 6, 7, and 9 of Illinois Building Authority Act to extend duties of the Authority and provide for the keeping of rental records. Provides that bonds must mature within forty years and increases maximum interest rate from 4 per cent to 5 per cent.
- Senate Bill 1173-74. Amends Section 1 of the Retailers Occupation Tax Act and Section 2 of the Use Tax Act. Deletes provisions that tax may be added to rental cost of personal property. Subjects sale of school books to the taxes.

This report was received for record.

#### CAPITAL APPROPRIATIONS FOR 1963-65

(27) The Seventy-third General Assembly appropriated funds for land, buildings, and other capital improvements at the University of Illinois for the biennium 1963-65:

From the General Revenue Fund for:

Remodeling, rehabilitation, and modernization of existing buildings	\$2 900 000
Improvements to protect life and property	258 840
Extension of utilities	1 950 000
<i>Total</i>	<i>\$5 108 840</i>

From the Universities Building Fund for:

Reappropriation of \$74,400,000 for capital improvements started in 1961-63; including new items of \$2,000,000 for an addition to the Biology Building and \$3,000,000 for an addition to the East Chemistry Building.

I recommend that the Board appropriate these funds for the purposes indicated as the funds become available, including the transfer from Contingencies to individual projects of such amounts as may become necessary within the total sum appropriated.

On motion of Mr. Swain, these appropriations and assignments of funds were approved by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, declinations, and cancellations; leaves of absence; cancellations of sabbatical leaves of absence; retirements.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

- ARDELLA, MRS. G. A. CHRISTINA, Assistant in French, September 16, 1963-January 31, 1964, \$466.67 a month (8-3-63).
- ADDY, ALVA L., Assistant Professor of Mechanical Engineering (C), academic year beginning September 1, 1963, \$9,000 (7-24-63).
- ALEXANDER, JOHN R., JR., Instructor in Mathematics, academic year beginning September 1, 1963, \$7,500 (8-23-63).
- ALLHANDS, JESSIE, Instructor in Mathematics, academic year beginning September 1, 1963, \$5,600 (8-26-63).
- ALTENBERND, A. LYNN, Associate Professor of English and Executive Secretary of the Department of English, indefinite tenure from September 1, 1963, to render service during each academic year, \$10,100 a year (7-18-63).
- ANAND, SATISH CHANDRA, Research Associate in Agronomy (S), five months from September 1, 1963, \$6,500 a year (8-7-63).
- ANAST, BASIL P., Assistant Professor of Parasitology, Department of Medicine (Medicine),  $\frac{1}{2}$  time, two years from September 1, 1963, \$6,880 a year (7-26-63).

- ANDERMANN, ROBERT E., Instructor in Art, academic year beginning September 1, 1963, \$5,700 (7-25-63).
- ANDERSON, RACHEL E., Assistant Editor in the University Press,  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,125 (7-18-63).
- ANDERSON, ROBERT W., Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$11,500 (7-29-63).
- ANDERSON, WILLIAM L., Project Assistant in the State Natural History Survey (Graduate College), eleven months from August 1, 1963, \$6,580 a year, supersedes (8-8-63).
- ANDREWS, RICHARD D., Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one month from August 1, 1963, \$550 (7-25-63).
- ARCHER, WILLIAM K., Research Assistant Professor in the Institute of Communications Research, one year from September 1, 1963, \$10,000, supersedes (8-5-63).
- ARLON, ARY J., Instructor in Art, academic year beginning September 1, 1963, \$6,000 (7-18-63).
- ARNOLD, MARJORIE L., Research Associate in Chemistry, one year from September 1, 1963, \$7,000 (8-12-63).
- ATHINEOS, EMIL, Research Assistant in Biological Chemistry (Medicine), one year from September 1, 1963, \$5,150 (7-25-63).
- AZUMA, YASUO, Research Associate in Food Science (S), one year from September 1, 1963, \$6,200 (8-26-63).
- BANKS, RICHARD T., Instructor in Architecture, academic year beginning September 1, 1963, \$6,500 (7-29-63).
- BANKS, ROBERT B., Professor of Fluid Mechanics, indefinite tenure, and Dean of the College of Engineering, two years (Chicago Undergraduate Division), from September 1, 1963, \$21,000 a year (7-26-63).
- BARNARD, HERBERT M., Research Associate in the Coordinated Science Laboratory,  $\frac{1}{2}$  time, and Instructor in Electrical Engineering,  $\frac{1}{4}$  time (C), academic year beginning September 1, 1963, \$4,650 (8-14-63).
- BATEMAN, BARBARA, Research Assistant Professor in the Institute for Research on Exceptional Children, academic year beginning September 1, 1963, \$7,500 (8-8-63).
- BATEMAN, FELICE D., Assistant Professor of Mathematics,  $\frac{2}{3}$  time, academic year beginning September 1, 1963, \$5,600 (8-26-63).
- BAUER, RUDOLF P., Instructor in German, academic year beginning September 1, 1963, \$6,300 (8-5-63).
- BAYER, RUDOLF, Research Assistant in the Digital Computer Laboratory, August 8-September 15, 1963, \$466.67 a month (8-5-63).
- BAYM, MRS. NINA Z., Instructor in English, academic year beginning September 1, 1963, \$6,800 (8-26-63).
- BEEVERS, LEONARD, Assistant Professor of Horticulture (C and S), September 16, 1963-August 31, 1964, \$8,600 a year (8-20-63).
- BEKTAIRES, BYRON T., Assistant in Education (University High School), nine months from September 16, 1963, \$5,600 (8-19-63).
- BERESKIN, BEN, Research Associate in Dairy Science (S), one year from September 1, 1963, \$7,200 (8-20-63).
- BERG, CHARLES R., Instructor in Dentistry (Dentistry), one year from September 1, 1963, \$8,000 (8-23-63).
- BERNAL, EMILIA, Cataloger in the Library, with rank of Instructor, one year from September 1, 1963, \$6,100 (8-12-63).
- BETZ, THOMAS W., Research Assistant in Zoology, nine months from September 16, 1963, \$4,200 (8-3-63).
- BHAN, SURAJ, Research Associate in Metallurgical Engineering (C), seven months from February 1, 1964, \$7,000 a year (8-19-63).
- BIEGLER, THOMAS, Research Associate in Chemistry, one year from September 1, 1963, \$6,500 (8-26-63).
- BILLINGS, ALAN G., Instructor in Speech and Theatre, academic year beginning September 1, 1963, \$5,800 (6-24-63).
- BISCHOFF, MRS. NOYCE L., Research Assistant in Zoology, one year from September 1, 1963, \$5,150 (7-10-63).
- BLAYLOCK, WILLIAM C., Assistant in Spanish, nine months from September 16, 1963, \$6,500, supersedes (8-23-63).

- BLISS, RACHEL, Associate Professor of Nursing, indefinite tenure from September 1, 1963, \$10,400 a year, supersedes (8-7-63).
- BOBBEN, HOWARD M., Research Assistant Professor of Psychology, in the Department of Psychology and in the Institute of Communications Research, one year from September 1, 1963, \$10,000 (8-26-63).
- BOHM, LARRY G., Project Assistant in the State Natural History Survey (Graduate College), one year from September 1, 1963, \$4,416 (8-8-63).
- BOSWELL, JEB, Instructor in Medicine (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1963, \$4,000 (8-21-63).
- BOURGIN, ROSE C., Research Associate in Secondary and Continuing Education, one year from September 1, 1963, \$6,500 (8-26-63).
- BOWERS, KENNETH, Clinical Counselor in the Student Counseling Service with rank of Instructor (Provost's Office),  $\frac{3}{4}$  time, one year from September 1, 1963, \$5,625 (8-21-63).
- BRADY, LEONARD E., Instructor in Organic Chemistry,  $\frac{7}{10}$  time, and Research Associate in Organic Chemistry,  $\frac{3}{10}$  time, nine months from September 16, 1963, \$7,200 (8-26-63).
- BRANCAFORTE, MRS. CHARLOTTE L., Assistant in German, nine months from September 16, 1963, \$5,000 (8-3-63).
- BRENT, GEORGE W., Instructor in Prosthodontics (Dentistry),  $\frac{3}{5}$  time, one year from September 1, 1963, \$5,000 (7-17-63).
- BRESICH, ZAGORKA, Physician in the Health Service (Medical Center),  $\frac{1}{10}$  time, June 17-August 31, 1963, \$1,200, supersedes (7-25-63).
- BRODIE, BARBARA, Instructor in Nursing, academic year beginning September 1, 1963, \$6,500 (7-18-63).
- BRODIE, BRUCE, Associate Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), indefinite tenure from September 1, 1963, \$10,700 a year (7-26-63).
- BRODY, MRS. LITA H., Assistant in Medicine (Medicine), one year from September 1, 1963, \$6,200 (8-26-63).
- BROKAW, KURT J., Instructor in Advertising, academic year beginning September 1, 1963, \$7,600 (8-23-63).
- BRONSKY, DAVID, Assistant Professor of Medicine (Medicine),  $\frac{1}{10}$  time, one year from September 1, 1963, \$1,200 (8-12-63).
- BROWNS, HERSCHEL L., Clinical Assistant Professor of Medicine (Medicine),  $\frac{4}{10}$  time, one year from September 1, 1963, \$3,400 (8-12-63).
- BRUN, HERBERT J., Visiting Research Associate in Music, nine months from September 16, 1963, \$8,000 (8-23-63).
- BRYANT, ROBERT H., Instructor in Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$7,500 (8-12-63).
- BURKE, JAMES A., Instructor in Art, academic year beginning September 1, 1963, \$6,500 (7-18-63).
- BURMEISTER, JOHN L., Instructor in Inorganic Chemistry, academic year beginning September 1, 1963, \$7,000 (8-12-63).
- BURNETT, MRS. JACQUETTA H., Research Associate in Secondary and Continuing Education, one year from September 1, 1963, \$7,500 (7-17-63).
- BUTLER, JACKIE D., Instructor in Turf Extension (Horticulture) (C, S, and E), one year from September 1, 1963, \$6,600, supersedes (8-19-63).
- BYNG, DENNIS E., Instructor in Art, academic year beginning September 1, 1963, \$6,500 (8-26-63).
- CAMPBELL, JAMES L., Instructor in Music, one year from September 1, 1963, \$7,550 (7-26-63).
- CARBONNEAU, MARVIN C., Assistant Professor of Floriculture Extension (Horticulture) (C and E), July 1, 1963-August 31, 1964, \$8,600 a year, supersedes (8-19-63).
- CARLSEN, TOMIKO, Research Assistant in Oral Pathology (Dentistry), one year from September 1, 1963, \$6,000 (8-7-63).
- CARROLL, JOHN R., Lecturer in Mechanical Engineering (C),  $\frac{2}{3}$  time, academic year beginning September 1, 1963, \$7,900 (7-18-63).
- CASTEEL, DAVID A., Project Assistant in the State Natural History Survey (Graduate College), eleven months from August 1, 1963, \$5,300 a year, supersedes (8-8-63).

- CAVENY, CHARLES C., Assistant to the President in charge of the Chicago Office of the President, with rank of Professor, September 1, 1963, and continuing on a month-to-month basis until further notice, \$1,500 per month (7-8-63).
- CHACKO, CHERUVATHUR I., Research Associate in Plant Pathology (S), one year from September 1, 1963, \$6,100 (8-20-63).
- CHAO, BEI TSE, Professor of Mechanical Engineering,  $\frac{1}{3}$  time, and of Nuclear Engineering,  $\frac{1}{3}$  time, (C), on indefinite tenure; and Associate Member of the Center for Advanced Study,  $\frac{1}{2}$  time, one year, from September 1, 1963, and Professor of Mechanical Engineering,  $\frac{2}{3}$  time, and of Nuclear Engineering,  $\frac{1}{3}$  time, (C), indefinite tenure from September 1, 1964, to render service during each academic year, \$16,000 a year (8-8-63).
- CHAPMAN, PETER J., Research Associate in Chemistry, one year from September 1, 1963, \$6,600 (7-17-63).
- CHURCHWELL, MRS. YVONNE R., Bibliographer in the Library, with rank of Instructor, one year from September 1, 1963, \$6,400, supersedes (8-19-63).
- CLARK, SHIRLEY A., Assistant Professor of Family Relationships (Home Economics) (C and S), academic year beginning September 1, 1963, \$6,700 (7-17-63).
- CODDINGTON, MRS. BERTHA M., Commerce and Sociology Librarian in the Library, with rank of Instructor, one year from September 1, 1963, \$7,300 (8-12-63).
- COLE, HOWARD C., Instructor in English, Summer Session of 1963, June 17-August 10, 1963, \$1,400 for the period, supersedes previous Summer Session (7-17-63).
- COOMBS, FRED S., Research Associate in Education (University High School), academic year beginning September 1, 1963, \$6,000, supersedes (8-27-63).
- COSTON, CHARLES J., Research Associate in Chemical Engineering (S), one year from September 1, 1963, \$7,000 (8-26-63).
- COUKOULIS, MRS. HELEN, Research Assistant in Microbiology, one year from September 1, 1963, \$6,300 (8-14-63).
- CRAWFORD, ARDEN L., Assistant in Education (University High School), nine months from September 16, 1963, \$5,600 (8-19-63).
- CRUMLISH, BRIAN J., Research Associate in the Small Homes Council-Building Research Council, August 16, 1963-May 31, 1964, \$1,000 a month (8-8-63).
- DAS, SUMITRA, Research Assistant in Preventive Medicine (Medicine), August 1, 1963-August 31, 1964, \$5,760 a year (8-8-63).
- DAUPHIN, KEITH P., Project Assistant in the State Natural History Survey (Graduate College), eleven months from August 1, 1963, \$4,320 a year, supersedes (8-8-63).
- DAVIS, CHARLES S., Clinical Instructor in Medicine (Medicine),  $\frac{1}{3}$  time, one year from September 1, 1963, \$1,500 (8-12-63).
- DEFRIES, JOHN C., Assistant Professor of Dairy Science (C and S), two years from September 1, 1963, \$9,600 a year, on leave of absence for eleven months from October 1, 1963 (7-18-63).
- DENMARK, WILLIAM L., Assistant Professor of Climatology (Horticulture) (S), two years from September 1, 1963, without salary (8-20-63).
- DETURK, PHILLIP E., Instructor in City Planning and Landscape Architecture, two years from September 1, 1963, to render service during each academic year, \$6,000 a year (8-12-63).
- DEWITT, MRS. CAROL L., Assistant in Chemistry, nine months from September 16, 1963, \$4,600 (7-10-63).
- DIAMOND, MRS. ANITA M., Assistant Supervisor of Testing in the Student Counseling Service (Provost's Office), one year from September 1, 1963, \$5,150 (8-23-63).
- DIMMITT, DONALD P., Instructor in Art (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$6,300 (7-22-63).
- DIXON, MRS. MARGIE K., Assistant in Chemistry, nine months from September 16, 1963, \$4,600 (7-13-63).
- DODDS, BERNARD F., Research Associate in Secondary and Continuing Education, one year from September 1, 1963, \$8,500 (7-17-63).
- DONOVAN, DENNIS G., Assistant in English, nine months from September 16, 1963, \$4,600, supersedes (8-14-63).
- DUA, RAMJI DASS, Research Associate in Dairy Science (S), one year from September 1, 1963, \$6,500 (7-17-63).

- DUDLEY, JAMES, Instructor in Elementary Education, academic year beginning September 1, 1963, \$6,500 (8-22-63).
- DUMAS, D. GILBERT, Instructor in English (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$6,000 (7-17-63).
- DUNPHY, EDWARD J., Assistant in Biometry and in Soil Fertility (Agronomy) (C and S), one year from September 1, 1963, \$5,300 (8-14-63).
- EAGELMAN, JAMES G., Assistant Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), two years from September 1, 1963, \$10,100 a year (7-26-63).
- EDWARDS, WILLIAM R., Research Associate in the Illinois Natural History Survey (Graduate College), eleven months from August 1, 1963, \$8,000 a year, supersedes (8-8-63).
- ELLIS, JACK A., Research Associate in the State Natural History Survey (Graduate College), eleven months from August 1, 1963, \$7,500 a year, supersedes (8-8-63).
- ELLIS, RALPH J., Research Associate in the State Natural History Survey (Graduate College), eleven months from August 1, 1963, \$6,840 a year, supersedes (8-8-63).
- ENGEL, MRS. FRIEDA H., Assistant Professor in the Jane Addams Graduate School of Social Work,  $\frac{1}{4}$  time, academic year beginning September 1, 1963, \$2,125 (8-7-63).
- ERWIN, JOSEPH C., Assistant Professor of Pathology (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1963, \$9,000 (8-21-63).
- FARRIS, ROBERT E., Research Associate in Ceramic Engineering (S), August 16-September 15, 1963, full time, \$8,000 a year, and from September 16, 1963, through August 31, 1964,  $\frac{3}{4}$  time, \$6,000 a year, supersedes (8-26-63).
- FELTNER, CHARLES E., Research Assistant Professor of Theoretical and Applied Mechanics (C), two years from September 1, 1963, to render service during each academic year, \$7,600 a year, supersedes (8-12-63).
- FELTSKOG, ELMER N., Assistant in English, nine months from September 16, 1963, \$4,400, supersedes (8-14-63).
- FERRIS, DONALD R., Visiting Lecturer in Elementary Education, nine months from September 16, 1963, \$11,000 (8-26-63).
- FINK, GILBERT L., Supervisor of Special Services and Occupational Therapy, with rank of Instructor, Division of Rehabilitation-Education Services (College of Physical Education), two months from July 1, 1963, \$7,000 a year, and for one year from September 1, 1963, \$7,500 (7-15-63).
- FISCHER, FRED A., Assistant Research Programmer in the Digital Computer Laboratory,  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,500 (7-12-63).
- FORD, ROBERT M., Assistant Professor of Architecture, academic year beginning September 1, 1963, \$7,500 (8-23-63).
- FOSTER, MERLIN J., Research Programmer in the Digital Computer Laboratory, one year from September 1, 1963, \$8,000 (8-27-63).
- FOX, MRS. ANN M., Instructor in Library Science (Graduate School of Library Science),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,000 (7-24-63).
- FRANK, EVELYN, Professor of Mathematics (Chicago Undergraduate Division), June 16-August 31, 1963, \$3,112 (7-19-63).
- FREUND, ERIC C., Assistant Professor in the Bureau of Community Planning, two years from September 1, 1963, \$9,500 a year (7-26-63).
- FRIEDMAN, MRS. DOROTHY M., Research Associate in Education (University High School), five months from September 1, 1963, \$4,000 (7-17-63).
- FRIEND, GEORGE L., Assistant in English, nine months from September 16, 1963, \$4,600, supersedes (8-23-63).
- FULLER, GERALD R., Assistant Professor of Vocational and Technical Education, one year from September 1, 1963, \$9,050 (7-29-63).
- GALLAGHER, ROBERT E., Associate Professor of English, indefinite tenure,  $\frac{1}{2}$  time, and Assistant Director of University Honors Programs, one year,  $\frac{1}{2}$  time (Chicago Undergraduate Division), from September 1, 1963, to render service during each academic year, \$8,500 a year (7-24-63).
- GALLIOS, JOHN, Instructor in Pedodontics (Dentistry),  $\frac{3}{5}$  time, one year from September 1, 1963, \$2,840 (8-26-63).
- GANTT, CLARENCE L., Assistant Professor of Medicine (Medicine), two years from September 1, 1963, \$16,000 a year (8-7-63).

- GARCIA-MOLINER, CARMEN, Research Associate in Botany,  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,650 (8-12-63).
- GEANAKOPOLOS, DENO J., Associate Member of Center for Advanced Study, for the second semester of 1963-64, and Professor of History, indefinite tenure from September 1, 1963, to render service during each academic year, \$14,000 a year (8-8-63).
- GEIL, WILMA J., Music Library Assistant in the Library, one year from September 1, 1963, \$5,500 (7-22-63).
- GERSTNER, OTTO, Instructor in Mathematics, academic year beginning September 1, 1963, \$7,500 (8-23-63).
- GOBBEL, MRS. GERTRUDE G., Instructor in Child Development (Home Economics) (C and S), academic year beginning September 1, 1963, \$5,000 (7-22-63).
- GOLDBERG, BRUCE C., Instructor in Philosophy, academic year beginning September 1, 1963, \$6,200 (6-8-63).
- GOOCH, JAY D., Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$11,000 (7-29-63).
- GOODISMAN, JERRY, Instructor in Physical Chemistry, academic year beginning September 1, 1963, \$7,200 (8-12-63).
- GOODWIN, NANCY-LEE, Head Resident, Taft Hall, ten months from September 1, 1963, \$4,700; for the convenience of the University she will also receive an apartment and meals while the dining rooms are in operation (8-19-63).
- GRACIE, GORDON, Assistant Professor of Civil Engineering (C), two years from September 1, 1963, to render service during each academic year, \$8,000 a year (7-25-63).
- GRADY, JOHN E., Instructor in Histology (Dentistry),  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,750 (6-28-63).
- GRAY, EVA W., Instructor in Mathematics,  $\frac{1}{4}$  time, academic year beginning September 1, 1963, \$1,600 (8-26-63).
- GRAZIANI, DINO F., Research Assistant in Pathology (Medicine), July 1, 1963-August 31, 1964, \$5,600 a year (7-16-63).
- GRIDLEY, ROY E., Research Assistant in English, two months from June 16, 1963, \$889 (7-18-63).
- GRIFFIN, ROBERT S., Clinical Instructor in Medicine (Medicine),  $\frac{2}{5}$  time, one year from September 1, 1963, \$3,000 (8-12-63).
- GUCKEL, HENRY, Research Associate in the Digital Computer Laboratory, academic year beginning September 1, 1963, \$7,200 (7-15-63).
- GULSTAD, MRS. WILMA R., Serials Assistant in the Library, one year from September 1, 1963, \$5,800 (7-18-63).
- GUNNAR, ROLF M., Associate Professor of Medicine (Medicine),  $\frac{1}{4}$  time, September 15, 1963-August 31, 1964, \$4,000 a year, supersedes (8-12-63).
- GUSTOWSKA, MRS. IRENA, Research Assistant in Pediatrics (Medicine), one year from July 1, 1963, \$5,150 (7-25-63).
- HAAG, RUDOLF, Professor of Physics (C), indefinite tenure from September 1, 1963, to render service during each academic year, \$15,700 a year, supersedes (8-12-63).
- HAASE, GERHARD H., Clinical Instructor in Medicine (Medicine),  $\frac{1}{4}$  time, one year from September 1, 1963, \$1,900 (8-21-63).
- HAGSTROM, ANNIE, Instructor in Nursing, academic year beginning September 1, 1963, \$6,000 (7-18-63).
- HALL, WILLIAM J., Professor of Civil Engineering (C), indefinite tenure, to render service during each academic year, and Associate Member of Center for Advanced Study, one year, from September 1, 1963, \$14,500 a year; and Professor of Civil Engineering (C), indefinite tenure from September 1, 1964, to render service during each academic year (8-5-63).
- HAMMOND, SAMUEL B., Research Associate in Psychology,  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,500 (8-26-63).
- HANDLER, PAUL, Associate Professor of Electrical Engineering,  $\frac{3}{4}$  time, and of Physics,  $\frac{1}{4}$  time, (C), indefinite tenure from September 1, 1963, to render service during each academic year, \$12,200 a year, supersedes (8-12-63).
- HANSON, MRS. DOLORES M., Assistant Editor in the Office of Public Information,  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,000 (7-29-63).
- HAQUE, RIAZ-UL, Instructor in Microbiology (Medicine), one year from September 1, 1963, \$9,000 (7-25-63).

- HARDENBROOK, HARRY JR., Professor of Veterinary Clinical Medicine and of Veterinary Physiology and Pharmacology (College of Veterinary Medicine), indefinite tenure from September 1, 1963, \$14,400 a year (7-26-63).
- HARUNA, ICHIRO, Research Associate in Microbiology, one year from September 1, 1963, \$7,500, supersedes (8-23-63).
- HATCH, RAY D., Professor of Veterinary Clinical Medicine, and of Veterinary Anatomy and Histology (College of Veterinary Medicine), indefinite tenure from September 1, 1963, \$13,950 a year (7-26-63).
- HAYASHI, MASAKI, Research Assistant Professor of Microbiology, one year from September 1, 1963, \$8,200, supersedes (8-23-63).
- HEBLING, SARA Y., Assistant in Occupational Therapy (Medicine), July 15-August 31, 1963, \$475 a month (8-7-63).
- HELM, ALICE, Assistant in Microbiology, nine months from September 16, 1963, \$4,200 (8-21-63).
- HELPER, LLOYD C., Assistant Professor of Veterinary Clinical Medicine (College of Veterinary Medicine) and of Veterinary Research (Agricultural Experiment Station), two years from September 1, 1963, \$10,300 a year (8-20-63).
- HENNE, BERTRAND W., Assistant (Flight) in the Institute of Aviation, nine months from September 16, 1963, \$4,410 (8-19-63).
- HENNES, JAMES D., Assistant in the Office of Instructional Television (Provost's Office), nine months from September 16, 1963, \$4,600 (8-22-63).
- HERNDON, MARY S., Instructor in Household Equipment (Home Economics) (C), academic year beginning September 1, 1963, \$6,500 (8-8-63).
- HESSLMANN, PAUL R., Assistant Health Physicist, one year from September 1, 1963, \$9,000 (8-2-63).
- HEWITT, JOHN R., Instructor in Advertising,  $\frac{2}{3}$  time, academic year beginning September 1, 1963, \$2,250 (8-14-63).
- HIKI, YOSIO, Research Associate in Physics (C), one year from September 1, 1963, \$8,500 (7-17-63).
- HILKER, CARL F., JR., Assistant (Flight) in the Institute of Aviation, nine months from September 16, 1963, \$4,200 (8-19-63).
- HOCHHAUSER, MARTIN, Clinical Assistant Professor of Radiology (Medicine), 1/10 time, one year from September 1, 1963, \$1,560 (8-8-63).
- HODGMAN, DONALD R., Professor of Economics,  $\frac{2}{3}$  time, indefinite tenure, and Associate Member of Center for Advanced Study,  $\frac{1}{3}$  time, two years from September 1, 1963, and Professor of Economics, full time, indefinite tenure, beginning September 1, 1965, to render service during each academic year, \$15,500 a year (8-8-63).
- HOFFMAN, GERALD K., Clinical Instructor in Psychiatry (Medicine),  $\frac{1}{2}$  time, July 1, 1963-August 31, 1964, \$2,400 a year (8-12-63).
- HOGAN, JAMES, Instructor in Electrical Engineering (C), one year from September 1, 1963, \$6,300, supersedes (8-5-63).
- HORWITZ, OLGA, Research Associate in Oral Pathology (Dentistry),  $\frac{2}{3}$  time, one year from September 1, 1963, \$3,200 (7-18-63).
- HOUGHTON, FLORENCE M., Instructor in Nursing, academic year beginning September 1, 1963, \$6,500 (7-18-63).
- HUANG, SAMUEL J., Research Associate in Chemistry, eleven months from October 1, 1963, \$6,100 a year (7-26-63).
- HUNT, JAMES G., Instructor in Industrial Administration (College of Commerce and Business Administration),  $\frac{3}{4}$  time, academic year beginning September 1, 1963, \$4,500 (6-6-63).
- HUNT, J. McV., Professor of Psychology, one year from July 1, 1963, \$20,150; and Professor of Psychology, indefinite tenure beginning September 1, 1964, to render service during each academic year (7-25-63).
- HURTIG, MARTIN, Assistant Professor of Art (Chicago Undergraduate Division), two years from September 1, 1963, to render service during each academic year, \$7,500 a year (8-7-63).
- HUTTON, WILBERT H., JR., Kettering Visiting Lecturer in Chemistry, nine months from September 16, 1963, \$9,500 (8-26-63).
- IMHULSE, DONALD W., Instructor in Business English, academic year beginning September 1, 1963, \$5,200 (8-12-63).
- ITATANI, HIROSHI, Research Associate in Chemistry, September 16, 1963-August 31, 1964, \$7,200 a year (8-23-63).



- JACKSON, DANIEL K., Instructor in Art, academic year beginning September 1, 1963, \$5,800 (7-18-63).
- JACOB, MONIQUE, Research Associate in Microbiology, one year from September 1, 1963, \$6,500, supersedes (8-23-63).
- JANSEN, PETER, Instructor in German, academic year beginning September 1, 1963, \$5,800 (6-6-63).
- JEAN, WILLIAM H., Instructor in Finance, academic year beginning September 1, 1963, \$8,000 (7-17-63).
- JENKS, RICHARD D., Research Assistant in the Coordinated Science Laboratory (C), full time for five months from September 1, 1963, \$2,500, and  $\frac{3}{4}$  time for seven months from February 1, 1964, \$2,333.33, supersedes (8-23-63).
- JENNE, WILLIAM, Research Associate in the Institute for Research on Exceptional Children, one year from September 1, 1963, \$9,500 (8-26-63).
- JOHNSON, PETER, Visiting Lecturer in Chemistry, academic year beginning September 1, 1963, \$6,500 (8-12-63).
- JOHNSON, RICHARD M., Instructor in Political Science, academic year beginning September 1, 1963, \$5,000 (7-29-63).
- JOHNSON, WALTER M., Professor of Art (College of Fine and Applied Arts),  $\frac{2}{3}$  time ( $\frac{1}{2}$  time during the academic year), indefinite tenure, \$5,000 a year, and Head of Extension in Visual Arts (Division of University Extension),  $\frac{3}{4}$  time ( $\frac{1}{2}$  time during the academic year and full time during the summer), two years from September 1, 1963, \$7,222 a year, supersedes (8-16-63).
- JOHNSON, WELDON A., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (College of Pharmacy), one year from September 1, 1963, \$7,750 (8-26-63).
- JOKELA, JALMER J., Assistant Professor of Forestry (C and S), two years from September 1, 1963, \$9,500 a year, supersedes (8-20-63).
- JONES, BARCLAY G., Instructor in Mechanical and Nuclear Engineering (C), academic year beginning September 1, 1963, \$8,500 (8-19-63).
- JONES, ROBERT L., Research Associate in Soil Mineralogy (Agronomy) (S), one year from September 1, 1963, \$8,500 (7-25-63).
- JOSELYN, GEORGE B., Research Assistant in the State Natural History Survey, eleven months from August 1, 1963, \$6,000 a year, supersedes (8-8-63).
- JOZWIAK, ROBERT L., Instructor in Elementary Education, academic year beginning September 1, 1963, \$6,500 (8-22-63).
- KACZKOWSKI, HENRY R., Visiting Research Assistant Professor of Educational Psychology, nine months from September 16, 1963, \$9,300 (8-26-63).
- KATAGUE, DAVID B., Instructor in Chemistry (Pharmacy),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,000 (8-12-63).
- KELLER, KARL B., Research Engineer in Physics (C), July 16, 1963-August 31, 1964, \$8,000 a year (8-19-63).
- KELLY, J. ROBERT, Professor of Music, indefinite tenure, to render service during each academic year, and Associate Member in the Center for Advanced Study, one year, from September 1, 1963, \$11,100 a year; and Professor of Music, on indefinite tenure from September 1, 1964, to render service during each academic year (8-8-63).
- KENT, MRS. JOANN G., Acting Binding Librarian in the Library, with rank of Instructor, one year from September 1, 1963, \$6,800, supersedes (8-26-63).
- KHEDROO, LAWRENCE G., Clinical Assistant Professor of Anatomy (Medicine),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$5,000 (8-21-63).
- KIM, MRS. EUN KYUNG, Research Assistant in Chemistry, one year from September 1, 1963, \$5,150 (7-10-63).
- KINDLSPERGER, RONALD D., Instructor in Pedodontics (Dentistry),  $\frac{4}{5}$  time, one year from September 1, 1963, \$6,400 (8-26-63).
- KIRKWOOD, BILLY D., Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$11,500 (7-29-63).
- KLEIN, KURT, Acting Head of Department of Russian, academic year beginning September 1, 1963, \$500; this is in addition to his appointment as Assistant Professor of Russian (5-28-63).
- KLINE, TILDE S., Clinical Instructor in Pathology (Medicine), one year from September 1, 1963, without salary (8-12-63).
- KNIES, EARL A., Assistant in English, nine months from September 16, 1963, \$4,600, supersedes (8-14-63).

- KOERTGE, HENRY H., Sanitary Engineering Associate in the Health Service, one year from September 1, 1963, \$10,000 (8-20-63).
- KOHLMEYER, MRS. HELEN B., Research Associate in Economics, one year from July 1, 1963, \$6,980 (7-22-63).
- KOIK, JUTA V., Physician in the Health Service (Medical Center), 20/100 time, and Clinical Assistant Professor of Medicine (Medicine), 5/100 time, one year from September 1, 1963, \$3,500 (8-12-63).
- KOMAMIYA, YASUO, Visiting Research Associate Professor in the Digital Computer Laboratory, nine months from September 16, 1963, \$10,800 (7-10-63).
- KONITZKI, JOSEPH F., Assistant to Director of Division of Rehabilitation-Education Services, with rank of Instructor (College of Physical Education), two months from July 1, 1963, \$8,000 a year, and for one year from September 1, 1963, \$8,500 (7-15-63).
- KOUSKOLEKAS, COSTAS, Research Associate in Agricultural Entomology (Agricultural Experiment Station and Illinois Natural History Survey), September 1, 1963-February 29, 1964, \$6,100 a year (8-19-63).
- KOZICKI, RICHARD J., Bibliographer in the Library, with rank of Instructor, one year from September 1, 1963, \$8,000 (7-13-63).
- KRISHNAMURTHY, VISVANATHA, Instructor in Mathematics, academic year beginning September 1, 1963, \$7,000 (7-22-63).
- KRONE, HENRY V., Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$10,300 (7-29-63).
- KULIS, JOHN C., Clinical Instructor in Medicine (Medicine), 1/10 time, one year from September 1, 1963, \$900 (8-12-63).
- KUNG, MRS. MARY R. W., Microanalyst in Chemistry,  $\frac{3}{4}$  time, one year from September 1, 1963, \$3,870 (8-26-63).
- KYPTA, LINTON S., Senior Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$15,000 (7-29-63).
- LADD, JOHN A., Research Associate in Chemistry, one year from September 1, 1963, \$6,500, supersedes (8-12-63).
- LAMAR, WILMER A., Lecturer in English, academic year beginning September 1, 1963, \$9,300 (7-25-63).
- LAMBIN, HENRY J., Research Associate in Psychiatry (Medicine), one year from September 1, 1963, \$8,750 (8-26-63).
- LANSBURY, PETER T., Visiting Lecturer in Chemistry, September 16, 1963-January 31, 1964, \$5,700 (8-12-63).
- LANSING, KENNETH M., Associate Professor of Art (College of Fine and Applied Arts),  $\frac{1}{2}$  time, and of Elementary Education (College of Education),  $\frac{1}{2}$  time, indefinite tenure from September 1, 1963, to render service during each academic year, \$10,000 a year (7-26-63).
- LARRANCE, LAVERNE R., Instructor in Nursing, academic year beginning September 1, 1963, \$6,300 (7-18-63).
- LARSON, BERNT O., Professor of General Engineering (C), August 4-19, 1963, \$655, additional (8-27-63).
- LAWRENCE, LIONEL L., Assistant in Speech and Theatre, nine months from September 16, 1963, \$4,200 (8-14-63).
- LEBEAU, LEON J., Associate Professor of Microbiology on the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, August 5 through 31, 1963, \$12,210 a year, and from September 1, 1963, through August 31, 1965, \$13,200 a year; and, Associate Professor of Microbiology (Medicine), indefinite tenure from September 1, 1965, supersedes (7-1-63).
- LEVY, LUCRETIA, Instructor in Mathematics,  $\frac{1}{4}$  time, academic year beginning September 1, 1963, \$1,800 (8-19-63).
- LINDELL, PHILIP W., Serials Cataloger in the Library, with rank of Instructor, one year from September 1, 1963, \$7,100, supersedes (8-26-63).
- LINDERHOLM, CARL E., Instructor in Mathematics, academic year beginning September 1, 1963, \$7,000 (8-23-63).
- LOEVY, HANNELORE (TASCHINI), Instructor in Anatomy (Medicine), one year from September 1, 1963, \$8,500 (7-18-63).
- LONG, CHESTER C., Assistant Professor of Speech and Theatre, two years from September 1, 1963, to render service during each academic year, \$7,500 a year (7-17-63).
- LONG, KEITH M., Instructor in Art, academic year beginning September 1, 1963, \$5,800 (7-18-63).

- LOPATA, HOWARD I., Assistant in Radiology (Medicine), one year from September 1, 1963, without salary (8-7-63).
- LORD, WILLIAM J., JR., Associate Professor of Business Administration (College of Commerce and Business Administration), indefinite tenure from September 1, 1963, to render service during each academic year, \$9,300 a year (8-12-63).
- LOTT, JAMES L., Research Associate in Theoretical and Applied Mechanics (C), academic year beginning September 1, 1963, \$5,400, supersedes (8-23-63).
- LOWE, MRS. LEONE, Instructor in Mathematics, academic year beginning September 1, 1963, \$7,200 (8-5-63).
- LU, MRS. CHIN-PI, Instructor in Mathematics, academic year beginning September 1, 1963, \$7,200 (8-23-63).
- LUKAS, VICTOR T., Research Assistant in the Statistical Service Unit (Provost's Office), one year from September 1, 1963, \$5,150 (8-14-63).
- LUNDE, LORINNE L., Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1963, \$4,200 (7-5-63).
- MADDEN, JOHN J., Research Associate in Microbiology, September 16, 1963-August 31, 1964, \$6,100 (8-26-63).
- MADENBERG, FRED, Assistant Professor of Hygiene, in the Health Service (Chicago Undergraduate Division), two years from September 1, 1963, to render service during each academic year, \$1,200 a year (7-18-63).
- MAGNABOSCO, PETER T., Assistant in Physical Education for Men, nine months from September 16, 1963, \$4,750 (6-14-63).
- MAKSIC, DRAGUTIN, Associate Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), indefinite tenure from September 1, 1963, \$10,700 a year (7-26-63).
- MANGAN, KENNETH, Research Associate in the Institute for Research on Exceptional Children, one year from September 1, 1963, without salary (7-26-63).
- MANNING, JOHN P., Associate Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), indefinite tenure from September 1, 1963, \$10,700 a year (7-26-63).
- MARSTON, HOWARD, Research Associate in Education (University High School), 34 time, one year from September 1, 1963, \$9,000 (8-23-63).
- MARTIN, MRS. BEVERLY B., Cataloger in the Library of Medical Sciences, with rank of Instructor (Medical Center), one year from September 1, 1963, \$6,100 (8-5-63).
- MARX, WERNER, Assistant Professor of German, two years from September 1, 1963, to render service during each academic year, \$7,150 a year (7-29-63).
- MASTERTON, DON A., Assistant Professor of Art, Department of Administration (Chicago Undergraduate Division), June 21-August 16, 1963, \$1,812, additional (7-18-63).
- MATERN, SUSAN C., Instructor in Nursing, academic year beginning September 1, 1963, \$6,300 (7-18-63).
- MATSUMOTO, HIDEO, Research Associate in Pathology (Medicine),  $\frac{4}{5}$  time, ten months from August 1, 1963, \$5,000 a year (8-7-63).
- MATSUMOTO, YORIMI, Research Assistant in Physiology and Biophysics, four months from September 1, 1963, \$429.17 a month (6-24-63).
- MATTESON, MAX R., Assistant Dean of the College of Liberal Arts and Sciences and Associate Professor of Zoology, one year from September 1, 1963, \$9,700, supersedes (8-26-63).
- MATTHEW, GUY R., Instructor in Radiology (Medicine), one year from September 1, 1963, without salary (8-20-63).
- MCCOY, M. ELEANOR, Research Assistant Professor of Education (University High School), academic year beginning September 1, 1963, \$10,800, supersedes (8-5-63).
- MCDANIEL, WILLIAM L., Assistant Professor of Applied Materia Medica and Therapeutics (Dentistry),  $\frac{1}{2}$  time, two years from September 1, 1963, \$5,000 a year, supersedes (8-26-63).
- MCGREEVEY, JULIA A., Instructor in Nursing, academic year beginning September 1, 1963, \$6,300 (7-18-63).
- McKINNON, DANA G., Assistant in English, nine months from September 16, 1963, \$4,600, supersedes (8-14-63).
- McLAUGHLIN, THOMAS G., Instructor in Mathematics, academic year beginning September 1, 1963, \$7,500 (8-23-63).

- McLEAN, ROBERT L., Research Associate in Biological Chemistry (Medicine), one year from September 1, 1963, \$9,500 (8-26-63).
- McLELLAN, REX B., Research Associate in Metallurgical Engineering (C), one year from September 1, 1963, \$8,500 (7-17-63).
- McMURRY, LAURA M., Research Assistant in Chemistry, one year from September 1, 1963, \$5,150 (7-10-63).
- MEERMAN, GERADINE, Research Associate in Chemistry, one year from September 1, 1963, \$6,100 (7-26-63).
- MEHR, ROBERT I., Professor of Finance, on indefinite tenure, to serve as Special Consultant to the Vice-President and Comptroller devising criteria and procedures for implementation of the Staff Salary Annuity Program, two months from July 1, 1963, \$3,412, additional (7-25-63).
- MELLODY, MARGARET, Research Assistant in Medicine (Medicine), one year from September 1, 1963, \$7,350 (7-26-63).
- MEREDITH, GERALD M., Research Associate in Psychology, one year from September 1, 1963, \$6,100 (8-26-63).
- MERKELO, HENRY, Instructor in Electrical Engineering (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$1,000; this is in addition to his appointment as Radio Corporation of America Fellow in Electrical Engineering, supersedes (8-21-63).
- MERRILL, MARY E., Assistant in English, nine months from September 16, 1963, \$4,400 (8-26-63).
- MEYER, JULIA, Associate Professor of Oral Pathology (Dentistry), indefinite tenure from September 1, 1963, \$12,500 a year (7-22-63).
- MEYERSON, BERNARD L., Assistant Director of the Office of Foreign Student Affairs, one year from September 1, 1963, \$10,000 (8-19-63).
- MILLER, ARTHUR A., Clinical Associate Professor of Psychiatry (Medicine),  $\frac{1}{4}$  time, one year from September 1, 1963, \$3,800 (8-7-63).
- MILLER, CAROL, Instructor in German, academic year beginning September 1, 1963, \$6,300 (6-6-63).
- MILLER, IRVING M., Instructor in English (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{1}{2}$  time, June 21-August 16, 1963, \$778 for the period (7-17-63).
- MILLER, JERALD, Instructor in Periodontics, Department of Applied Materia Medica and Therapeutics (Dentistry),  $\frac{3}{4}$  time, one year from September 1, 1963, \$3,200, supersedes (8-26-63).
- MILLER, JULIAN A., Clinical Assistant Professor of Psychiatry (Medicine),  $\frac{3}{10}$  time, one year from September 1, 1963, \$4,000 (8-7-63).
- MILLET, STANTON, Assistant Professor of English, two years from September 1, 1963, to render service during each academic year, \$8,700 a year (7-18-63).
- MILLOY, FRANK J., JR., Clinical Assistant Professor of Surgery (Medicine),  $\frac{1}{2}$  time, July 1, 1963-August 31, 1964, \$2,000 a year, supersedes nonsalaried appointment (7-18-63).
- MIMS, ROSEMARIE S., Head Resident, Allen Hall South, ten months from September 1, 1963, \$4,800; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation, supersedes (7-26-63).
- MINI, MRS. PATRICIA D., Research Assistant in Chemistry, one year from September 1, 1963, \$5,200 (7-10-63).
- MONTAGUE, WILLIAM E., Visiting Assistant Professor of Psychology, academic year beginning September 1, 1963, \$9,000 (8-26-63).
- MONTGOMERY, CLARK A., Clinical Instructor in Medicine (Medicine),  $\frac{3}{4}$  time, four months from May 1, 1963, \$3,068 a year, supersedes (6-14-63).
- MONTGOMERY, GERALD G., Research Associate in the State Natural History Survey, eleven months from August 1, 1963, \$6,840 a year, supersedes (8-8-63).
- MOORE, CHARLES A., Assistant (Flight) in the Institute of Aviation, nine months from September 16, 1963, \$4,200 (8-19-63).
- MORTON, RICHARD B., Research Associate in Chemistry, one year from September 1, 1963, \$6,200 (7-26-63).
- MOSES, NORMAN, Instructor in Prosthodontics (Dentistry),  $\frac{1}{2}$  time, one year from September 1, 1963, \$1,500 (7-25-63).
- MOSES, RICHARD H., Instructor in Art, academic year beginning September 1, 1963, \$5,800 (7-18-63).

- MUKHERJEE, KALINATH, Research Associate in Metallurgical Engineering (C), one year from September 1, 1963, \$8,000 (7-17-63).
- NAGATA, SHUICHI, Research Associate in Anthropology, one year from September 1, 1963, \$6,100 (8-5-63).
- NAITO, HIROSHI, Research Associate in Animal Science (S), September 16, 1963-August 31, 1964, \$6,500 a year (8-19-63).
- NAKAI, SHURYO, Research Associate in Food Science (S), one year from September 1, 1963, \$6,200 (8-23-63).
- NAKAMURA, KANAME, Research Assistant in Biological Chemistry (Medicine), one year from September 1, 1963, \$6,500 (7-29-63).
- NANOUSI, SOPHIE C., Spectroscopist in Chemistry, August 1, 1963-August 31, 1964, \$5,150 a year (8-26-63).
- NARASIMHAN, RANGASWAMY, Visiting Research Assistant Professor in the Digital Computer Laboratory, nine months from September 16, 1963, \$944.44 a month (7-10-63).
- NEU, IRENE D., Visiting Lecturer in History, nine months from September 16, 1963, \$10,000 (7-18-63).
- NEUMANN, LORENA, Assistant Editor, with rank of Instructor (C and S), two months from July 1, 1963, \$566.67 a month, supersedes (8-8-63).
- NEWMAN, ALBERT, Assistant (Intern) in the Student Counseling Service (Provost's Office), one year from September 1, 1963, \$5,150 (8-23-63).
- NISHIDA, TOSHIRO, Associate Professor of Food Science, College of Agriculture,  $\frac{1}{2}$  time, and Agricultural Experiment Station,  $\frac{4}{5}$  time, indefinite tenure from September 1, 1963, \$10,500 a year, supersedes (8-12-63).
- NISONOFF, ALFRED, Professor of Microbiology, indefinite tenure from September 1, 1963, \$17,580 a year (7-29-63).
- NOBLE, BRUCE J., Instructor in Physical Education for Men, nine months from September 16, 1963, \$6,000 (7-8-63).
- NORTON, ROBERT H., Research Assistant in Pharmacognosy and Pharmacology (Pharmacy), one year from September 1, 1963, \$6,100 (8-7-63).
- NTAILANAS, HARILAOS A., Research Associate in Food Science (S), one year from September 1, 1963, \$7,800 (8-26-63).
- OLEKSY, MRS. MARGARET H., Instructor in English (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,689 for the period, supersedes previous Summer Session (7-17-63).
- ORE, DONALD E., Instructor in Dentistry (Dentistry),  $\frac{4}{5}$  time, one year from September 1, 1963, \$6,400 (7-25-63).
- O'REILLY, MICHAEL F., Instructor in Mathematics, academic year beginning September 1, 1963, \$6,000 (8-23-63).
- OTTE, KARL H., Instructor in Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$6,500 (7-25-63).
- OWENS, RHODELL E., Lecturer in Recreation (College of Physical Education),  $\frac{1}{4}$  time, September 16, 1963-January 31, 1964, \$1,100, supersedes (8-20-63).
- PAGE, BENJAMIN F., Instructor in the Graduate School of Library Science,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,000 (7-12-63).
- PAGE, ROBERT R., Instructor in Philosophy (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,423 for the period, supersedes previous Summer Session appointment (7-17-63).
- PAUL, SHERMAN, Professor of English,  $\frac{1}{2}$  time, indefinite tenure, and Associate Member of the Center for Advanced Study,  $\frac{1}{2}$  time, one year from September 1, 1963, and Professor of English, full time, indefinite tenure from September 1, 1964, to render service during each academic year, \$16,700 a year (8-8-63).
- PECK, THEODORE R., Assistant Professor of Soils Extension (Agronomy) (E), two years from September 1, 1963, \$8,500 a year (8-23-63).
- PEDERSEN, WILLIAM, JR., Instructor in Architecture, academic year beginning September 1, 1963, \$6,800 (7-26-63).
- PENCHINA, CLAUDE M., Research Associate in Electrical Engineering (C), one year from September 1, 1963, \$8,000 (8-21-63).
- PENEV, LUBEN C., Clinical Instructor in Medicine (Medicine),  $\frac{1}{10}$  time, one year from September 1, 1963, \$900 (8-12-63).
- PENNISI, LOUIS L., Associate Professor of Mathematics (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{3}{4}$  time, June 21-August 16, 1963, \$1,741 for the period (7-17-63).

- PENROD, DARRELL D., Instructor in Theoretical and Applied Mechanics (C), academic year beginning September 1, 1963, \$5,800, supersedes (8-19-63).
- PERSHING, ROSCOE L., Research Associate in Agricultural Engineering (S),  $\frac{3}{4}$  time, one year from September 1, 1963, \$4,000 (8-19-63).
- PESKIN, SIDNEY, Clinical Instructor in Surgery (Medicine), without salary, and Instructor in Oral Surgery (Dentistry),  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,750 (8-19-63).
- PHILLIPS, THOMAS N., Assistant Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), two years from September 1, 1963, \$10,300 a year (7-26-63).
- PIETRAS, RAYMOND J., Instructor in Medicine (Medicine), two months from July 1, 1963, \$708.33 a month, supersedes nonsalaried appointment (7-16-63); and  $\frac{3}{10}$  time, one year from September 1, 1963, \$2,750 (8-12-63).
- PIKE, JOHN R., Instructor in Finance, academic year beginning September 1, 1963, \$8,000 (7-17-63).
- PINTO, JOSEPH D., Research Associate in Chemistry, one year from September 1, 1963, \$6,100 (8-19-63).
- PLACEK, MRS. CYNTHIA B., Assistant Editor, with rank of Assistant (College of Veterinary Medicine),  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,440 (7-25-63).
- POLLAK, VICTOR E., Research Associate Professor of Medicine (Medicine),  $\frac{17}{100}$  time, two months from July 1, 1963, \$208.33 a month, supersedes nonsalaried appointment (7-18-63); and on  $\frac{17}{100}$  time, indefinite tenure from September 1, 1963, \$2,500 a year (8-21-63).
- PONZO, PETER, Research Associate in Electrical Engineering,  $\frac{1}{4}$  time, and in the Coordinated Science Laboratory,  $\frac{3}{4}$  time, nine months from September 1, 1963, and in the Coordinated Science Laboratory (C), full time, three months from June 1, 1964, \$10,000 (8-16-63).
- PREVO, MRS. DOROTHEA M., Instructor in Nursing,  $\frac{2}{3}$  time, September 23, 1963-March 21, 1964, \$400 a month (7-18-63).
- PUSZTASZERI, STEPHEN F., Research Assistant in Chemistry, one year from September 1, 1963, \$5,160 (8-3-63).
- RAJKUMAR, TARAKAD V., Research Associate in Chemistry, ten months from November 1, 1963, \$6,500 a year (8-26-63).
- RAMAIAH, KOMMINENI, Research Associate in Chemistry, July 22-August 31, 1963, \$508.33 a month, supersedes (7-26-63).
- RAMALEY, LOUIS, Research Associate in Chemistry, academic year beginning September 1, 1963, \$6,300 (8-12-63).
- RANSFORD, RALPH E., Lecturer in Anatomy (Medicine),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$5,013 (7-25-63).
- RAUBENHEIMER, ANNA E., Instructor in Home Economics (C), academic year beginning September 1, 1963, \$5,100 (8-23-63).
- REILAND, JOHN C., Research Assistant in Microbiology, one year from September 1, 1963, \$5,333.28 (8-22-63).
- REILLY, JAMES R., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine),  $\frac{3}{8}$  time, one year from September 1, 1963, \$5,580, supersedes (8-23-63).
- REINER, MRS. IRMA, Assistant Professor of Mathematics,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$4,200 (8-26-63).
- REMENTUK, EUDOKIA, Clinical Instructor in Pathology (Medicine), one year from September 1, 1963, without salary (7-25-63).
- RESH, JAMES A., Research Associate in Electrical Engineering,  $\frac{1}{4}$  time, and in the Coordinated Science Laboratory,  $\frac{3}{4}$  time, nine months from September 1, 1963, and in the Coordinated Science Laboratory (C), full time, three months from June 1, 1964, \$10,000 (8-16-63).
- RHODES, MRS. DAPHNE I., Assistant to the Dean of Women (Chicago Undergraduate Division), one year from September 1, 1963, \$6,000 (8-19-63).
- RIES, DONALD G., Research Associate in Chemistry, three months from September 1, 1963, \$508.33 a month (8-26-63).
- ROBINSON, DEREK J. S., Instructor in Mathematics, academic year beginning September 1, 1963, \$7,000 (8-23-63).
- ROBINSON, GARTH, Research Associate in Biological Chemistry (Medicine), one year from September 1, 1963, \$8,400 (7-25-63).

- RODRIGUEZ, EDUARDO, Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1963, \$5,150 (8-19-63).
- ROGGE, WILLIAM M., Research Assistant Professor of Education (University High School), one year from July 1, 1963, \$11,000 (7-29-63).
- ROSEN, SAMUEL, Assistant in the Division of General Studies, nine months from September 16, 1963, \$4,350 (8-3-63).
- ROSS, ROBERT C., Leader, Foreign Agriculture Visitors, and Assistant Coordinator, International Cooperation Programs (Office of International Cooperation Programs),  $\frac{1}{2}$  time, one year from September 1, 1963, \$6,750 (7-17-63).
- RUMMEL, MARION L., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{2}{3}$  time, June 21-August 16, 1963, \$712 for the period (7-17-63).
- RUSSELL, JOHN K., Instructor in Electrical Engineering (C),  $\frac{3}{4}$  time, academic year beginning September 1, 1963, \$3,825, supersedes (8-19-63).
- SAPANIE, ALVIN H., Assistant Professor of Veterinary Anatomy and Histology (College of Veterinary Medicine) and of Veterinary Research (Agricultural Experiment Station), two years from September 1, 1963, \$12,100 a year (7-17-63).
- SAGI, MRS. ANA M. M., Assistant in French, nine months from September 16, 1963, \$4,200 (8-3-63).
- ST. JAMES, WARREN D., Visiting Lecturer in Political Science (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,700 for the period (8-26-63).
- SANGHVI, INDRAVADAN S., Research Assistant in Pharmacology (Medicine), one year from September 1, 1963, \$5,500 (7-26-63).
- SARGENT, FREDERICK, II, Acting Head of Department of Physiology and Biophysics, academic year beginning September 1, 1963, \$500; this is in addition to his appointment as Professor of Physiology and Member of the Senior Staff of the Center for Zoonoses Research (5-18-63).
- SARKISSIAN, JOHN L., Instructor in Biology (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,200 for the period, supersedes previous Summer Session appointment (7-17-63).
- SARLAS, SOPHIE H., Instructor in Art, academic year beginning September 1, 1963, \$5,700 (8-26-63).
- SARNER, HARVEY, Lecturer in Dentistry, with rank of Instructor (Dentistry),  $\frac{1}{10}$  time, one year from September 1, 1963, \$800 (8-12-63).
- SASAGO, KENJI, Research Associate in Food Science (S), one year from September 1, 1963, \$6,200 (8-23-63).
- SASSOON, HARRY, Instructor in Radiology (Medicine), and Assistant Radiologist in the Research and Educational Hospitals, one year from September 1, 1963, \$12,000 (8-8-63).
- SCAVONE, DANIEL, Visiting Lecturer in History (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$750 for the period (8-26-63).
- SCHIER, RUDOLF, Instructor in German, academic year beginning September 1, 1963, \$6,300 (6-6-63).
- SCHILLER, ALFRED G., Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), indefinite tenure from September 1, 1963, \$13,950 a year (7-26-63).
- SCHILLER, ANDREW, Associate Professor of English (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,956 for the period (7-17-63).
- SCHLOSS, BERT P., Visiting Lecturer in Political Sciences (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,500 for the period (7-17-63).
- SCHMITZ, RICHARD F., Instructor in Dentistry (Dentistry), one year from September 1, 1963, \$7,000 (7-18-63).
- SCHROER, DAVID E., Instructor in Mathematics, academic year beginning September 1, 1963, \$7,700 (8-23-63).
- SCHULTE, HENRY F., Instructor in Journalism (College of Journalism and Communications),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,750 (8-19-63).

- SEITZ, FREDERICK, Professor of Physics and Head of the Department (C), two months from July 1, 1963, \$5,156, additional (8-21-63).
- SESHU, MRS. LILY H., Assistant Professor of Mathematics, academic year beginning September 1, 1963, \$7,700 (8-26-63).
- SETH, SHANTI K., Research Associate in Microbiology, October 15, 1963-August 31, 1964, \$7,000 a year (8-12-63).
- SGOUTAS, DEMETRIUS, Research Associate in Food Technology (S), August 1, 1963-August 31, 1964, \$6,500 a year (7-17-63).
- SHARMA, KAMAL N., Visiting Research Assistant Professor of Psychology and Physiology, eight months from September 1, 1963, \$8,940 a year (8-26-63).
- SHAUGHNESSY, JOSEPH B., Assistant Professor of Architecture, academic year beginning September 1, 1963, \$7,500 (8-12-63).
- SHIMONY, ZVI, Visiting Research Associate in Electrical Engineering (C), one year from September 1, 1963, \$6,000 (8-26-63).
- SHOTWELL, JOAN S., Instructor in Physical Education for Women,  $\frac{3}{4}$  time, academic year beginning September 1, 1963, \$5,250 (7-18-63).
- SIA, (MISS) MING BE, Instructor in Nursing, academic year beginning September 1, 1963, \$6,600 (7-18-63).
- SILVERMAN, LORETTA E., Instructor in Engineering—Physics (Chicago Undergraduate Division),  $\frac{2}{3}$  time, academic year beginning September 1, 1963, \$4,000 (8-7-63).
- SINGH, SANKATHA P., Instructor in Mathematics, academic year beginning September 1, 1963, \$6,000 (8-23-63).
- SKAPERDAS, DOMINIC O., Senior Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$14,200 (7-29-63).
- SLICHTER, CHARLES P., Professor (C),  $\frac{1}{2}$  time, indefinite tenure, and Associate Member of the Center for Advanced Study,  $\frac{1}{2}$  time, one year from September 1, 1963, and Professor of Physics (C), indefinite tenure from September 1, 1964, to render service during each academic year, \$21,000 a year (8-8-63).
- SLYTER, LEONARD L., Research Associate in Dairy Science (S), one year from September 1, 1963, \$7,200, supersedes (8-20-63).
- SMALL, ERWIN, Instructor in Veterinary Clinical Medicine (College of Veterinary Medicine), one year from September 1, 1963, \$9,100 (7-26-63).
- SMITH, JOHN H., Instructor in Accountancy,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$2,500 (5-20-63).
- SMITH, PINKNEY C., Instructor in History (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$6,200 (7-26-63).
- SMITH, SARA W., Assistant in English, nine months from September 16, 1963, \$4,200 (6-10-63).
- SORN, DAVID M., Clinical Instructor in Surgery (Medicine), without salary, and Instructor in Oral and Maxillofacial Surgery (Dentistry),  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,750 (6-28-63).
- SPEENCE, PAUL H., History and Political Science Librarian in the Library, with rank of Instructor, one year from September 1, 1963, \$8,650 (8-3-63).
- SRINIVASAN, V. R., Research Assistant Professor in the School of Life Sciences, one year from September 1, 1963, \$10,000 (7-24-63).
- STEIN, HERBERT J., Research Associate in the Coordinated Science Laboratory,  $\frac{1}{2}$  time, nine months from September 1, 1963, \$254.16 a month, and full time, three months from June 1, 1964, \$508.33 a month; and Instructor in Electrical Engineering,  $\frac{1}{2}$  time, nine months from September 1, 1963, \$254.17 a month (8-23-63).
- STEIN, SONDRRA R., Research Associate in Microbiology, one year from September 1, 1963, \$7,000 (8-5-63).
- STIFLE, JOHN E., Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$11,000 (7-29-63).
- STORM, GERALD L., Field Ecologist in the Illinois Natural History Survey, and Graduate College, eleven months from August 1, 1963, \$5,760 a year, supersedes (8-8-63).
- STRUBBE, JAMES M., Instructor in Radiology (Medicine), one year from September 1, 1963, without salary (8-20-63).
- STUSSUD, JULIE A., Assistant in the Division of General Studies, nine months from September 16, 1963, \$4,200 (8-14-63).



- SUMINO, KOJI, Research Associate in Metallurgical Engineering (C), one year from September 1, 1963, \$8,500 (7-17-63).
- SUMMERS, MARGARET A., Instructor in Nursing, academic year beginning September 1, 1963, \$6,300 (8-19-63).
- SUSSMAN, HANS G., Research Associate in Oral Pathology (Dentistry),  $\frac{1}{2}$  time, one year from September 1, 1963, \$6,400 (7-26-63).
- SUTTON, PEGGY R., Research Assistant in the Institute for Research on Exceptional Children, nine months from September 16, 1963, \$5,100 (8-19-63).
- SWARTZ, ROBERT J., Instructor in Philosophy, academic year beginning September 1, 1963, \$6,500 (6-8-63).
- TAGGER, ETTY S., Research Assistant in Orthodontics (Dentistry), seven months from September 1, 1963, \$3,208.31 (7-25-63).
- TAYLOR, JAMES W., Assistant Dean of Men, one year from September 1, 1963, \$6,600 (8-26-63).
- TEMPEST, DAVID W., Research Associate in Chemistry, one month from September 1, 1963, \$487.50 (8-2-63).
- TENG, CHENG YEE, Instructor in Medicine (Medicine), 45/100 time, ten months from September 1, 1963, \$3,000 a year (8-12-63).
- TERNAY, ANDREW L., JR., Research Associate in Chemistry, one year from September 1, 1963, \$6,100 (7-26-63).
- THOITS, CHARLES F., III, Research Associate in the State Natural History Survey (Graduate College), one year from September 1, 1963, \$6,960 (8-16-63).
- THOMAS, CHARLES R., Assistant Director, Systems and Programming Development, Statistical Service Unit (Administration—Provost's Office), one year from September 1, 1963, \$10,600, supersedes nonacademic appointment (8-19-63).
- THURMON, JOHN C., Instructor in Veterinary Clinical Medicine (College of Veterinary Medicine), and in Veterinary Research (Agricultural Experiment Station), one year from September 1, 1963, \$7,900, supersedes (8-20-63).
- TICHENOR, DUANE, Research Associate in Vocational and Technical Education,  $\frac{3}{4}$  time, academic year beginning September 1, 1963, \$4,650 (8-26-63).
- TOROK, NICHOLAS, Associate Professor of Otolaryngology (Medicine),  $\frac{1}{2}$  time, nine months from September 1, 1963, \$12,800 a year (8-7-63).
- TRAHERN, JOSEPH B., JR., Instructor in English, academic year beginning September 1, 1963, \$7,300 (8-12-63).
- TRAINOR, CLARAMAY, Instructor in Art, academic year beginning September 1, 1963, \$5,700 (7-18-63).
- TREACY, DAVID P., Instructor in Journalism (College of Journalism and Communications)  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$2,750 (8-19-63).
- TRIMBLE, RUSSELL F., Visiting Lecturer in Chemistry, nine months from September 16, 1963, \$10,100 (8-8-63).
- TROGDON, RAY L., Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$11,650 (7-29-63).
- TROTT, MR. BEVERLY D., Research Associate in Metallurgical Engineering (C),  $\frac{3}{4}$  time, ten months from September 1, 1963, \$450 a month, and full time, two months from July 1, 1964, \$600 a month (7-17-63).
- TRUDGILL, PETER W., Research Associate in Chemistry, one year from September 1, 1963, \$6,100 (7-26-63).
- TSANG, FLORIS YUNG, Research Associate in Chemistry, one year from September 1, 1963, \$6,500 (8-26-63).
- TURCK, MARVIN, Instructor in Medicine (Medicine), 35/100 time, ten months from September 1, 1963, \$2,400 a year (8-12-63).
- UCHIMARU, FUMIHIKO, Research Associate in Chemistry, seven months from February 1, 1964, \$6,100 a year (8-12-63).
- UNZICKER, JOHN D., Research Associate in the State Natural History Survey and in the Graduate College,  $\frac{1}{2}$  time, nine months from September 1, 1963, \$1,980, and full time, three months from June 1, 1964, \$1,320 (8-19-63).
- VAICHULIS, EUGENE M., Instructor in Microbiology (Medicine), one year from September 1, 1963, \$8,000 (7-25-63).
- VANDEMARK, NOLAND L., Professor of Physiology, Department of Dairy Science (C and S), indefinite tenure from September 1, 1963, \$16,500 a year, supersedes (8-5-63).

- VELEZ-VASQUEZ, ENRIQUE, Research Assistant in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), one year from September 1, 1963, \$6,000 (7-26-63).
- VERTS, BOBBIE J., Research Associate in the State Natural History Survey (Graduate College), eleven months from August 1, 1963, \$4,254 a year, supersedes (8-8-63).
- VIA, JOHN A., Assistant in English, February 1-June 15, 1964, \$2,200, supersedes (8-14-63).
- VISWANATHAN, L., Research Associate in Chemistry, one year from September 1, 1963, \$6,100 (7-26-63).
- VORIS, DAVID C., Clinical Associate in Neurosurgery (Medicine), one year from September 1, 1963, without salary (8-21-63).
- VOTH, BRIAN W., Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$10,000 (7-29-63).
- WACHSMAN, JOSEPH T., Associate Professor of Microbiology, one year from September 1, 1963, \$11,550, and Associate Professor of Microbiology, indefinite tenure from September 1, 1964, to render service during each academic year, without salary (8-5-63).
- WADSWORTH, PHILIP A., Professor of French,  $\frac{1}{2}$  time, indefinite tenure, and Associate Member of the Center for Advanced Study,  $\frac{1}{2}$  time, one year from September 1, 1963, and Professor of French, indefinite tenure from September 1, 1964, to render service during each academic year, \$15,850 a year (8-8-63).
- WAGMAN, ARTHUR B., Assistant in Radiology (Medicine), one year from September 1, 1963, without salary (8-7-63).
- WALKER, BRIAN L. H., Research Associate in Food Science (S), one year from September 1, 1963, \$6,500 (8-23-63).
- WALKER, DONALD L., JR., Instructor in City Planning and Landscape Architecture, two years from September 1, 1963, to render service during each academic year, \$7,000 a year (8-12-63).
- WALL, F. T., Professor of Physical Chemistry, Department of Chemistry and Chemical Engineering, indefinite tenure from September 1, 1963, to render service during each academic year, \$25,000 a year, supersedes (7-23-63).
- WALLER, EDNA I., Project Assistant in the State Natural History Survey and in the Graduate College, four months from September 1, 1963, \$1,100 (8-21-63).
- WALTER, JOHN H., Associate Professor of Mathematics,  $\frac{1}{3}$  time, indefinite tenure, and Associate Member of the Center for Advanced Study,  $\frac{2}{3}$  time, one year from September 1, 1963, and Associate Professor of Mathematics, full time, indefinite tenure, from September 1, 1964, to render service during each academic year, \$10,500 a year (8-8-63).
- WARNOCK, JOHN E., Research Associate in the State Natural History Survey and in the Graduate College, eleven months from August 1, 1963, \$6,860 a year, supersedes (8-8-63).
- WATRACH, MRS. MARIAN N., Research Associate in Veterinary Pathology and Hygiene (College of Veterinary Medicine),  $\frac{1}{2}$  time, one year from September 1, 1963, \$6,290, supersedes (8-3-63).
- WATSON, J. STROUD, Instructor in Architecture, academic year beginning September 1, 1963, \$6,500 (7-26-63).
- WEAVER, LELLAND A., Instructor in Electrical Engineering (C),  $\frac{1}{4}$  time academic year, \$1,350, and to do research on  $\frac{3}{4}$  time for academic year, \$4,050 from September 1, 1963, supersedes (8-26-63).
- WEBB, ROBERT J., Adviser to Farm Manager at Pantnager, U.P. Agricultural University, Pantnager, India, for service under Contract ICAC-1258, October 1, 1963 through May 31, 1964, \$16,060 a year; and Professor of Agricultural Research and Extension, and Superintendent of the Dixon Springs Experiment Station, indefinite tenure, one month from September 1, 1963, and from June 1, 1964, \$14,600 a year, supersedes (7-29-63).
- WEBER, CHARLES, Instructor in Accountancy,  $\frac{1}{4}$  time, academic year beginning September 1, 1963, \$1,300 (6-24-63).
- WEBER, EVELYN, Research Associate in Chemistry, academic year beginning September 1, 1963, \$6,300 (8-26-63).
- WEINMAN, KARLA P., Research Assistant in Physiology, nine months from September 16, 1963, \$4,200 (8-21-63).

- WELKER, NEIL E., Research Associate in Microbiology, one year from September 1, 1963, \$8,000 (8-6-63).
- WILL, FREDERICK L., Associate Member of the Center for Advanced Study, second semester of 1963-64, and Professor of Philosophy, indefinite tenure from September 1, 1963, to render service during each academic year, \$15,850 a year (8-8-63).
- WILLARD, ROBERT E., Assistant Research Engineer in the Digital Computer Laboratory, one year from September 1, 1963, \$8,000 (8-23-63).
- WITZ, KLAUS G., Instructor in Mathematics, academic year beginning September 1, 1963, \$7,500 (8-23-63).
- WOLLERSHEIM, DAVID, Assistant in Mechanical Engineering (C), nine months from September 16, 1963, \$5,000 (8-22-63).
- WUNDERLE, STEVEN L., Project Assistant in the State Natural History Survey and in the Graduate College, eleven months from August 1, 1963, \$4,980 a year (8-8-63).
- YAMADA, SHIGEHARU, Visiting Assistant Professor in the Digital Computer Laboratory, nine months from September 16, 1963, \$10,000 (7-10-63).
- YAVIN, AVIVI I., Assistant Professor of Physics (C), academic year beginning September 1, 1963, \$9,700 (7-25-63).
- YESULAITIS, MRS. MARY P. C., Assistant in the Division of General Studies, nine months from September 16, 1963, \$4,200 (8-19-63).
- YOUNG, MRS. LORNA B., Research Assistant in Chemistry, one year from September 1, 1963, \$5,500 (7-10-63).
- YU, MARY FA TUAN, Research Assistant in Microbiology, one year from September 1, 1963, \$5,150 (8-19-63).

#### GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- AARON, HOWARD B., Sloan Foundation Fellow in Metallurgy, nine months from September 16, 1963, \$2,400 (7-29-63).
- BACH, GERHARD L., United States Public Health Service Fellow (Trainee) in Internal Medicine, one year from July 1, 1963, \$5,000 (7-8-63).
- BARRETT, MRS. SONORA G., United States Public Health Service Fellow (Trainee) in Biological Chemistry, one year from July 1, 1963, \$2,300 (7-8-63).
- BARTOSIK, DELPHINE B., United States Public Health Service Fellow (Trainee) in Internal Medicine, one year from July 1, 1963, \$5,650 (7-8-63).
- BENTZ, MARILYN G., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (8-13-63).
- BIFANO, JACQUELINE, United States Public Health Service Fellow (Trainee) in Biological Chemistry, ten months from September 1, 1963, \$1,916.60 (7-10-63).
- BLATT, PHILIP E., United States Public Health Service Fellow (Trainee) in Internal Medicine, one year from July 1, 1963, \$8,000 (7-8-63).
- BRENNAN, SHEILA L., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (8-16-63).
- BRODER, STEFAN I., United States Public Health Service Fellow (Trainee) in Biological Chemistry, July 1-September 15, 1963, \$500 (7-11-63).
- BROOKER, MARIE L., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (8-13-63).
- CARDENAS, MARY J., United States Public Health Service (Trainee) in Chemistry, nine months from September 16, 1963, \$2,100 (7-16-63).
- CLARK, LARRY W., United States Public Health Service Fellow (Trainee) in Food Technology, one year from September 1, 1963, \$2,500 (7-16-63).
- COLE, ROBERT E., Keio-Illinois Exchange Fellow in Labor and Industrial Relations, one year from September 1, 1963, \$3,020 (7-29-63).
- CROUCH, ROBERT J., United States Public Health Service Predoctoral Fellow in Chemistry, one year from July 1, 1963, \$2,000 (7-12-63).
- CUNNINGHAM, CAROL C., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,100 (7-16-63).
- DAGLEY, STANLEY, National Science Foundation Senior Foreign Scientist Fellow in Chemistry, one year from August 16, 1963, \$15,000 (7-22-63).
- DAVIS, EMILE M., United States Public Health Service Fellow (Trainee) in Histology (Dental), one year from July 1, 1963, \$6,500 (7-8-63).

- DELLENBACK, BARBARA K., United States Public Health Service Fellow (Trainee) in Psychiatry, three months from June 16, 1963, \$200 (7-12-63).
- DEPINTO, JOHN A., United States Public Health Service Fellow (Trainee) in Microbiology, ten months from September 1, 1963, \$2,500 (8-16-63).
- DYER, OLYMPIA P., Office of Vocational Rehabilitation Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (8-13-63).
- DYHR, PETER, Fellow in Law, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375 (7-18-63).
- EATON, JOHN L., United States Public Health Service Fellow (Trainee) in Entomology, ten months from September 1, 1963, \$2,400 (8-16-63).
- FELLHEIMER, CAROLYN L., Office of Vocational Rehabilitation Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (8-13-63).
- FINCH, FREYA L., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (8-13-63).
- FINLAY, MILDRED M., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,100 (7-16-63).
- FISCHER, JOEL, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (8-13-63).
- FISHER, BARBARA N., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,200 (7-16-63).
- FITES, ROGER C., Wright-Burlison Fellow in Agronomy, nine months from September 16, 1963, \$2,300, superseded (8-12-63).
- FLATTUM, ROGER F., United States Public Health Service Fellow (Trainee) in Entomology, ten months from September 1, 1963, \$2,400 (8-16-63).
- GALE, HENRY H., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1963, \$3,900 (7-8-63).
- GALLUZZI, V. NICHOLAS, United States Public Health Service Fellow (Trainee) in Biophysics, September 16, 1963-January 31, 1964, \$999.75 (7-26-63).
- GANTT, R. RAYMOND, United States Public Health Service Fellow (Trainee) in Biochemistry, three months from July 1, 1963, \$650 (7-11-63).
- GEISON, RONALD L., United States Public Health Service Fellow (Trainee) in Animal Science, one year from September 1, 1963, \$2,600 (7-16-63).
- GERBECK, CLAIRE M., United States Public Health Service Fellow (Trainee) in Biological Chemistry, ten months from September 1, 1963, \$2,000 (7-8-63).
- GIBB, MARY C., Knox College Fellow in Social Work, nine months from September 16, 1963, \$1,500 (7-11-63).
- GILMAN, ALICE, United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, \$3,000 (8-1-63).
- GODU, JACQUES A. J. C., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from September 1, 1963, \$6,000 (7-22-63).
- GROSS, IRA, United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, \$2,400 (7-17-63).
- GUNTHER, JAY K., United States Public Health Service Predoctoral Fellow in Chemistry, one year from August 16, 1963, \$2,000 (8-22-63).
- GUTIERREZ, NORMA B., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, \$2,400 (8-5-63).
- HABUSH, SANDRA B., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (8-13-63).
- HALFMAN, CLARKE, United States Public Health Service Fellow (Trainee) in Food Science, one year from September 1, 1963, \$2,600 (7-29-63).
- HANSEN, JOHN R., United States Public Health Service Fellow (Trainee) in Chemistry, one year from September 1, 1963, \$2,400 (8-16-63).
- HARRING, LINDA, United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,300 (7-16-63).
- HECHT, PATRICIA J., United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, \$2,000 (7-17-63).
- HEINTZ, NORMAN V., United States Public Health Service Fellow (Trainee) in Psychiatry, three months from June 16, 1963, \$200 (7-9-63).
- HEMBROUGH, CAROL J., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (8-13-63).

- HOEKMAN, THEODORE B., United States Public Health Service Fellow (Trainee) in Biophysics, one year from June 16, 1963, \$2,666 (7-12-63).
- HOLLER, RONALD F., United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, \$1,800 (7-17-63).
- IANDOLO, JOHN J., United States Public Health Service Predoctoral Fellow in Food Technology, one year from July 1, 1963, \$2,500 (7-26-63).
- JACKSON, SUSANNE, United States Children's Bureau Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (8-13-63).
- JOHNSON, JOYCE H., United States Public Health Service Fellow (Trainee) in Physiology, ten months from September 1, 1963, \$2,000 (7-8-63).
- JONAS, JIRI, Postdoctoral Fellow in Chemistry, one year from August 16, 1963, \$6,000 (7-25-63).
- JOYCE, NANCY E., General Foods Fund Fellow in Home Economics, nine months from September 16, 1963, \$2,000 (7-16-63).
- KAHN, WALTER J., United States Public Health Service Fellow (Trainee) in Ophthalmology, two months from July 1, 1963, \$1,100 (7-19-63).
- KAMPWIRTH, THOMAS J. J., United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, \$1,800 (7-17-63).
- KERLEY, GERALD I., National Science Foundation Graduate Fellow in Chemistry, one year from July 1, 1963, \$1,800 (8-12-63).
- KODAMA, ROBERT M., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1963, \$2,300 (7-8-63).
- KOKIER, KENNETH J., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1963, \$2,666 (8-16-63).
- KOMINEK, LEO A., United States Public Health Service Predoctoral Fellow in Microbiology, one year from July 1, 1963, \$3,200, supersedes (7-22-63).
- KRANDEL, PAULINE, Special Fellow in Social Work, nine months from September 16, 1963, \$1,800 (8-13-63).
- LAIN, RICHARD F., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 1, 1963, \$2,666 (8-16-63).
- LEE, DONALD J., United States Public Health Service Fellow (Trainee) in Animal Science, one year from September 1, 1963, \$2,600 (7-16-63).
- LEHN, LLOYD L., American Society of Tool Manufacturing Engineer Fellow in Mechanical and Industrial Engineering, nine months from September 16, 1963, \$2,300 (7-16-63).
- LEVY, HOWARD B., United States Public Health Service Fellow (Trainee) in Physiology, nine months from September 16, 1963, \$2,100 (8-22-63).
- LIEB, WILLIAM R., National Science Foundation Graduate Fellow in Biophysics, nine months from September 16, 1963, \$1,500, supersedes (7-10-63).
- LIEBER, ROSLYN, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (8-13-63).
- LIPPERT, ELIZABETH L., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,100 (7-16-63).
- LOKEN, JULIE L., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (8-13-63).
- LUKENBACH, ELVIN R., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, \$1,800 (7-24-63).
- MARLIN, MARJORIE J. M., National Science Foundation Cooperative Fellow in Psychology, one year from September 1, 1963, \$2,400 (8-19-63).
- MCGUIRE, MISS DOUGLAS, United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, \$3,000 (7-17-63).
- MCLEISTER, ELIZABETH O., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, \$2,000 (6-18-63).
- MCQUEEN, RALPH D., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, two months from July 1, 1963, \$840, supersedes (7-11-63).
- MILLER, MARILYN T., United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from July 1, 1963, \$3,000 (7-8-63).
- MOBERG, GARY P., United States Public Health Service Fellow (Trainee) in Physiology, one year from September 1, 1963, \$2,666 (8-16-63).

- MOSS, STEVEN A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,286.25, supersedes (7-10-63).
- MUETH, RITA A., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, \$2,820 (8-16-63).
- NANCE, JON R., National Science Foundation Graduate Fellow in Physics, one year from September 1, 1963, \$3,200 (8-21-63).
- NELSON, WAYNE B., National Science Foundation Graduate Fellow in Mathematics, one year from September 1, 1963, \$3,700 (8-13-63).
- NEWTON, STEPHEN B., United States Public Health Service Fellow (Trainee) in Food Science, one year from September 1, 1963, \$2,800 (7-29-63).
- NIBLACK, JOHN F., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,100 (7-16-63).
- NIEMYSKI, DOROTHY E., United States Office of Education Fellow in Education, nine months from September 16, 1963, \$2,000 (7-26-63).
- NIHEI, YASUMITSU, Keio-Illinois Exchange Fellow in Labor and Industrial Relations, September 16, 1963-January 31, 1964, \$750; and two months from June 16, 1963, \$375 (7-24-63).
- OHREN, BEVERLY A. K., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (8-13-63).
- O'NEILL, WILLIAM P., United States Public Health Service Predoctoral Fellow in Chemistry, one year from August 16, 1963, \$3,500 (8-22-63).
- PALMER, JERRY L., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, \$3,200 (8-1-63).
- PETERSON, LANCE G., United States Public Health Service Fellow (Trainee) in Entomology, ten months from September 1, 1963, \$2,400 (8-16-63).
- PHILLIPS, ROBERT D., Teaching Fellow in the Classics, nine months from September 16, 1963, \$1,600; and two months from June 16, 1964, \$500, supersedes (7-12-63).
- PORTUGAL, FRANKLIN H., United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 16, 1963-June 30, 1964, \$1,820.77 (7-17-63).
- RAYL, MARTIN, Texas Instrument Fellow in Physics, nine months from September 16, 1963, \$2,000; and two months from June 16, 1964, \$500 (8-12-63).
- REDENBO, JAMES M., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1963, \$2,666 (8-16-63).
- REIELS, DARLENE C., United States Public Health Service Fellow (Trainee) in Biological Chemistry, July 1-September 15, 1963, \$500 (8-2-63).
- RETTIG, MICHAEL F., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, \$1,800 (7-24-63).
- ROBERTS, LEO J., United States Public Health Service Fellow (Trainee) in Ophthalmology, one year from July 1, 1963, \$3,000 (7-15-63).
- RUTH, ROBIN E., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,200 (7-16-63).
- SAMUELS, ROBERT B., United States Public Health Service Fellow (Trainee) in Food Technology, one year from September 1, 1963, \$2,500 (7-18-63).
- SAXINGER, WILLIAM C., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, \$2,820 (8-16-63).
- SCHAAF, DORIS M., United States Public Health Service Fellow (Trainee) in Psychiatry, June 17-September 17, 1963, \$200 (7-17-63).
- SCHATZ, HOWARD, United States Public Health Service Fellow (Trainee) in Psychiatry, three months from June 16, 1963, \$600 (7-12-63).
- STAHLY, DONALD P., United States Public Health Service Predoctoral Fellow in Microbiology, one year from July 1, 1963, \$3,000 (7-22-63).
- STALDER, MARY J., United States Public Health Service Fellow (Trainee) in Food Science, one year from September 1, 1963, \$2,800 (8-1-63).
- SWIATEK, KENNETH R., United States Public Health Service Fellow (Trainee) in Biochemistry, one year from July 1, 1963, \$2,400 (7-3-63).
- TOFT, DAVID O., United States Public Health Service Fellow (Trainee) in Physiology, one year from September 1, 1963, \$2,666 (8-16-63).
- TRAASTAD, M. JEANNE, Office of Vocational Rehabilitation Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (8-13-63).
- TWARANOVICA, JOSEPH A., United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, \$2,400 (7-17-63).

- VAN ARENDONK, ARTHUR M., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,100 (7-16-63).
- VOLD, BARBARA S., Fellow in Botany, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375, supersedes (8-26-63).
- WASHINGTON, ERNEST D., United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, \$1,800 (7-17-63).
- WIELAND, ANNA M., United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from July 1, 1963, \$2,750 (7-8-63).
- WILSON, G. EDWIN, JR., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, \$3,000 (8-16-63).
- WOODFIN, BEULAH M., United States Public Health Postdoctoral Fellow in Chemistry, June 24-August 31, 1963, \$1,092.10 (7-25-63).
- WYLDER, JOSEPH G., JR., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740, supersedes (7-26-63).
- YANG, HENDERSON C. H., Fellow in Physics, February 1-June 15, 1964, \$1,000; and two months from June 16, 1964, \$500, supersedes (7-16-63).

#### RESIGNATIONS, DECLINATIONS, AND CANCELLATIONS

- ALBRIGHT, JACK L., Assistant Professor of Dairy Husbandry (Dairy Science) — resignation effective September 1, 1963.
- ALLEN, DON R., Research Associate in the Coordinated Science Laboratory — resignation effective September 1, 1963.
- AMBROSE, JAMES E., Assistant Professor of Architecture — resignation effective September 1, 1963.
- ANDREWS, ROLLIN D., III, Project Assistant in Aquatic Biology in the Graduate College and in the State Natural History Survey — resignation effective September 1, 1963.
- BABIAK, PAUL P., Catalog Assistant in the Library — cancellation effective February 18, 1963.
- BAGBY, ROLAND M., United States Public Health Service Fellow (Trainee) in Physiology — resignation effective September 1, 1963.
- BAKER, C. M. ANN, Research Associate in Physiology — declination effective September 1, 1963.
- BECHTEL, LINWOOD G., Instructor in Physical Education for Men — declination effective September 1, 1963.
- BECKMAN, MRS. SHERRY M. L., Assistant in Occupational Therapy (Medicine) — resignation effective July 27, 1963.
- BENNETT, MRS. SARA A., Research Assistant in the Coordinated Science Laboratory — resignation effective September 1, 1963.
- BILGER, H. R., Research Associate in the Digital Computer Laboratory — declination effective September 1, 1963.
- BLOSTEIN, M. L., Instructor in Electrical Engineering — resignation effective September 1, 1963.
- BUNGERT, WILLIAM C., Research Associate in Secondary and Continuing Education (University High School) — declination effective September 1, 1963.
- BURKMAN, ALLAN M., Assistant Professor of Pharmacology (Pharmacy) — resignation effective September 1, 1963.
- BUTLER, BARBARA D., Research Assistant in Physiology — declination effective September 16, 1963.
- CLARK, ARDATH M., Assistant in English — declination effective September 16, 1963.
- CODDINGTON, BERTHA M., Serials Cataloger in the Library, with rank of Instructor — declination effective September 1, 1963.
- CURRY, E. THAYER, Professor of Speech — declination effective September 1, 1963.
- DAI, PETER K., Instructor in Civil Engineering — declination effective September 1, 1963.
- DAVIS, STEPHEN R., Lecturer in Mechanical Engineering — resignation effective September 1, 1963.
- DENHAM, ELAM L., Assistant Professor of Architecture — resignation effective September 1, 1963.
- DEVILLEZ, EDWARD J., United States Public Health Service Fellow (Trainee) in Physiology and Biophysics — resignation effective September 1, 1963.

- DICK, RICHARD I., Instructor in Civil Engineering — declination effective September 1, 1963.
- ENGANDELA, VICTOR J., Instructor in Medical Social Work (Medicine) — resignation effective September 1, 1963.
- FARHIL, EDNA S., Research Assistant in Physiology — declination effective September 1, 1963.
- FERNANDES, FRED D., Fellow in Aeronautical and Astronautical Engineering — resignation effective June 16, 1963.
- FRASER, CONSTANCE, Assistant Professor of Medical Social Work and Crippled Children (Medicine) — resignation effective September 1, 1963.
- GRANT, EMERSON W., Adjutant, R.O.T.C., and Associate Professor of Military Science — declination effective September 1, 1963.
- GRIFFIN, MARY C., Associate Professor of Business Education — resignation effective September 1, 1963.
- GRIFFITH, MARY E., Assistant in Education (University High School) — declination effective September 16, 1963.
- GROSSMANN, ERWIN E., Lecturer in Ophthalmology, with rank of Assistant Professor (Medicine) — resignation effective September 1, 1963.
- GUIMOND, JAMES, Assistant in English — declination effective September 16, 1963.
- GUPTA, KINKAR P., Research Associate in Mining, Metallurgy, and Petroleum Engineering — resignation effective September 1, 1963.
- GUPTA, SUDHINDRA, Fellow in Civil Engineering — resignation effective September 16, 1963.
- HABAS, LINDA B., United States Public Health Service Fellow (Trainee) in Physiology — resignation effective September 1, 1963.
- HACHTEL, BARBARA M., United States Public Health Service Fellow (Trainee) in Anatomy — resignation effective July 1, 1963.
- HARKIN, DUNCAN A., Research Associate in Forestry — resignation effective September 1, 1963.
- HARKNESS, BRUCE, Professor of English and Executive Secretary of the Department — resignation effective September 1, 1963.
- HARPER, ANNE Y., Research Assistant in the Bureau of Economic and Business Research — declination effective September 1, 1963.
- HARVEY, ROBERT O., Professor of Finance — resignation effective September 1, 1963.
- HEIDORN, MRS. PATRICIA A., Architecture Library Assistant in the Library — resignation effective August 21, 1963.
- HORNBECK, PETER L., Assistant Professor of Landscape Architecture — resignation effective September 1, 1963.
- HOUSE, JAMES E., JR., Assistant in Physical Science in the Division of General Studies — declination effective September 16, 1963.
- INGLE, CAROLINE A., Research Associate in Botany — declination effective September 1, 1963.
- KAFKA, ROBERT W., Instructor in Electrical Engineering — resignation effective September 1, 1963.
- KAVANAGH, JEAN, Research Assistant in Psychiatry (Medicine) — resignation effective July 1, 1963.
- KEPLER, JON S., Fellow in History — resignation effective September 16, 1963.
- KLINE, CHRISTIANE J., Fellow in Chemistry — resignation effective September 16, 1963.
- KRUUS, JAAN, Research Associate in the Coordinated Science Laboratory — declination effective September 1, 1963.
- LANYON, P. D., Visiting Research Associate in Electrical Engineering — resignation effective September 1, 1963.
- LEHMANN, JOHN R., Instructor in Electrical Engineering — resignation effective September 1, 1963.
- LISTON, WILLIAM T., Assistant in English — declination effective September 16, 1963.
- LOCKHART, HELEN R., Assistant Professor of Medical Social Work (Medicine) — resignation effective September 1, 1963.
- LONDON, PERRY, Associate Professor of Psychology — declination effective September 1, 1963.
- LOWER, WILLIAM D., Assistant in English — declination effective September 16, 1963.



- MARTIN, DAVID M., Assistant in English—declination effective September 16, 1963.
- NAMBUKY, C. N. V., Research Associate in Pharmacy Chemistry (Pharmacy)—resignation effective September 1, 1963.
- NANCE, JON R., National Science Foundation Graduate Fellow in Physics—cancellation effective June 16, 1963.
- NAVARRETE, DELIA A., Assistant in Home Economics—resignation effective September 1, 1963.
- NEILL, DAVID M., Assistant in Electrical Engineering (Chicago Undergraduate Division)—resignation effective September 1, 1963.
- NEILSON, MRS. NANCY V., Spectroscopist in Chemistry—resignation effective August 16, 1963.
- NEUMAN, ROBERTA, Research Assistant in Microbiology—resignation effective July 16, 1963.
- NINOMIYA, TOSHIYUKI, Research Assistant Professor of Physical Metallurgy—resignation effective September 1, 1963.
- OLSON, CHARLES E., JR., Assistant Professor of Forestry—resignation effective September 1, 1963.
- ONANIAN, EDWARD D., Research Associate in the Bureau of Economic and Business Research—declination effective September 1, 1963.
- ORR, MARGERV A., National Science Foundation Institute Fellow in Mathematics—resignation effective June 16, 1963.
- PESSALL, NEIL, Research Associate in Mining, Metallurgy, and Petroleum Engineering—resignation effective September 1, 1963.
- PHILLIPS, ROBERT L., JR., Instructor in Landscape Architecture—resignation effective September 1, 1963.
- PRATT, LARRY D., National Science Foundation Institute Fellow in Mathematics—resignation effective August 13, 1963.
- PUGSLEY, JAMES H., Instructor in Electrical Engineering—resignation effective September 1, 1963.
- RAETZMAN, MRS. BARBARA L., Assistant in Occupational Therapy (Medicine)—resignation effective September 1, 1963.
- SCHAFER, DOROTHEA, Instructor in German—declination effective September 1, 1963.
- SCHUMACHER, GEBHARD, Research Associate in the Institute for Tuberculosis Research—resignation effective July 15, 1963.
- SHIMKIN, DEMITRI B., Professor of Anthropology, Summer Session of 1963—cancellation effective June 17, 1963.
- SMITH, GARMOND S., Assistant Professor of Animal Science—declination effective September 1, 1963.
- SMITH, JACK L., United States Public Health Postdoctoral Fellow in Animal Science—resignation effective October 1, 1963.
- SMITH, JAMES L., Assistant in Civil Engineering—resignation effective August 10, 1963.
- SMITH, ROBERT S., Research Assistant Professor of Electrical Engineering—resignation effective September 1, 1963.
- SMYTHE, DALLAS W., Research Professor of Communications—resignation effective September 1, 1963.
- TAMAI, TADASI, Research Associate in Physiology—declination effective September 1, 1963.
- THIER, HERBERT D., Research Associate in Secondary and Continuing Education—resignation effective September 1, 1963.
- THOMAS, SU ANN J., Assistant Extension Editor in Agriculture, with rank of Assistant—declination effective September 1, 1963.
- TRUPIN, JOEL S., Assistant in Dairy Science—resignation effective September 1, 1963.
- WALES, JANET M., Research Assistant in the Bureau of Economic and Business Research—resignation effective August 21, 1963.
- WALKER, RICHARD D., Research Associate in Illinois State Library Research Center—resignation effective September 1, 1963.
- WANKA, FREDRICH, Research Associate in Botany—resignation effective August 16, 1963.
- WHITE, ROBERT A., Instructor in Mechanical Engineering—resignation effective September 1, 1963.

WOLFE, MARTIN S., Research Assistant Professor of Education (University High School) — declination effective September 1, 1963.

#### LEAVES OF ABSENCE

BAIRD, JACK R., Research Associate in Electrical Engineering, in the Engineering Experiment Station — leave of absence, without pay, from July 15 through August 31, 1963, so that he may do work at the University of Colorado.

BROWN, RICHARD M., Research Professor in the Coordinated Science Laboratory, and of Electrical Engineering and of Physics — leave of absence, without pay, from July 8 through August 17, 1963, so that he may attend a summer study at Massachusetts Institute of Technology sponsored by the Navy.

CALAHAN, DONALD A., Assistant Professor of Electrical Engineering, in the College of Engineering and in the Engineering Experiment Station — leave of absence, without pay, for one year from September 1, 1963, so that he may accept the position of Visiting Assistant Professor of Electrical Engineering at the University of California at Berkeley.

DAVIS, NUEL P., Assistant Professor of English — leave of absence, without pay, for the first semester of the academic year 1963-64, so that he may work on a manuscript of his research on the scientists Lawrence, Fermi, and Oppenheimer.

FINK, CHARLES M., County Extension Staff Member in Henry County, Illinois — leave of absence, with full pay, for six months from February 1, 1964, for the purpose of study.

GOLEMBIEWSKI, ROBERT, Assistant Professor of Management — leave of absence, for the academic year 1963-64, with pay of \$2,550 from the Lilly Endowment, Inc., Freedom Study Fund, for the first semester, and leave without pay for the second semester so that he may serve as a Visiting Lecturer in the Department of Industrial Administration at Yale University.

JACKSON, DAVID M., Professor of Educational Administration and Supervision, and Principal of University High School — leave of absence for nine months from September 15, 1963, through June 15, 1964, on  $\frac{1}{2}$  pay, changed to leave of absence without pay from September 16, 1963, through January 31, 1964, and leave with full pay from February 1 through June 15, 1964.

KARSH, BERNARD, Associate Professor of Sociology and in the Institute of Labor and Industrial Relations — leave of absence, without pay, for one year from September 1, 1963, previously granted him, is hereby cancelled.

LILJEQUIST, JON L., Instructor in Mechanical Engineering, in the Chicago Undergraduate Division — leave of absence, without pay, for one year from September 1, 1963, so that he may complete studies for an advanced degree.

MANWELL, CLYDE, Associate Professor of Physiology — leave of absence, without pay, for two years from September 1, 1963, previously granted him, is hereby cancelled.

MCMAHON, WALTER W., Associate Professor of Economics — sabbatical leave of absence for the academic year 1963-64, on one-half pay, has been reinstated.

OPPENLANDER, (MISS) RENATE, Research Assistant in Electrical Engineering, in the Engineering Experiment Station — leave of absence, without pay, from August 18 through 31, 1963, so that she may travel abroad.

PERLMUTTER, MRS. SHIRLEY, Instructor in Occupational Therapy, in the College of Medicine — leave of absence, without pay, to begin July 27 and continuing through August 31, 1963. This supersedes her previous leave of absence beginning on June 24, 1963.

SAH, CHIH TANG, Professor of Electrical Engineering and of Physics, in the College of Engineering and in the Engineering Experiment Station — extension of leave of absence, without pay, from September 1, 1963, through January 31, 1964, so that he may continue his work at the Fairchild Semiconductor Research and Development Laboratory.

SMOOT, RONALD L., Instructor in Mechanical Engineering, in the College of Engineering — additional extension of leave of absence, without pay, beginning September 1 and continuing through November 30, 1963, so that he may continue his graduate studies under the National Science Foundation Faculty Fellowship.

**CANCELLATIONS OF SABBATICAL LEAVES OF ABSENCE**

ALPERT, DANIEL, Research Professor of Physics and Director of the Coordinated Science Laboratory — sabbatical leave of absence for six months from February 15, 1964, is cancelled, without prejudice.

McINTYRE, CHARLES J., Coordinator of Instructional Television and Associate Professor of Education — sabbatical leave of absence for six months from January 1, 1964, is cancelled, without prejudice.

OSGOOD, CHARLES E., Research Professor of Communications Research, Director of the Institute of Communications Research, and Professor of Psychology — sabbatical leave of absence for the first semester of 1963-64 is cancelled, without prejudice.

**RETIREMENTS**

LUNDMAN, A. TRESS, Assistant Professor of Verbal Communication, in the Division of General Studies — retirement effective September 1, 1963.

**AUGUST DEGREES CONFERRED**

The Secretary presented for record the following list of degrees conferred at Urbana, Illinois, as of August 12, 1963, on recommendation of the Urbana-Champaign Senate.

**Summary**

Degrees in the Graduate College, conferred at Urbana:

Master of Arts.....	97
Master of Science.....	275
Master of Music.....	9
Master of Education.....	238
Master of Social Work.....	4
Master of Fine Arts.....	3
Master of Accounting Science.....	8
Master of Architecture.....	8
Master of Commerce.....	1
Master of Business Administration.....	1
Master of Comparative Law.....	1
Master of Extension Education.....	2
Advanced Certificate in Education.....	26
Certificate of Advanced Study in Librarianship.....	1
<i>Total, Graduate College.....</i>	<i>(674)</i>

Degrees in Law, conferred at Urbana:

Bachelor of Laws.....	14
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Baccalaureate Degrees, conferred at Urbana:

Bachelor of Science, College of Agriculture.....	19
Bachelor of Science, College of Engineering.....	87
Bachelor of Arts, College of Liberal Arts and Sciences.....	59
Bachelor of Science, College of Liberal Arts and Sciences.....	48
Bachelor of Science, College of Education.....	32
Bachelor of Science, College of Commerce and Business Administration.....	56
Bachelor of Science, College of Journalism and Communications.....	7
Bachelor of Architecture, College of Fine and Applied Arts.....	8
Bachelor of Fine Arts, College of Fine and Applied Arts.....	9
Bachelor of Music, College of Fine and Applied Arts.....	3
Bachelor of Science, College of Fine and Applied Arts.....	3
Bachelor of Science, College of Physical Education.....	4
<i>Total, Baccalaureate Degrees.....</i>	<i>(335)</i>
<i>Total, Degrees Conferred at Urbana.....</i>	<i>1,023</i>

**GRADUATE COLLEGE****Degree of Master of Arts***In Art Education*

KAY JANE VOZENILEK, B.F.A., University of Illinois, 1962

*In Art History*

JERRY WILLIAM McROBERTS, A.B., Iowa State Teachers College, 1956

*In Economics*

THOMAS PATRICK CALLANAN, A.B., Fordham University, 1962

JOHN WALTER DORFMEISTER, B.S., 1962

DENNIS HAROLD ERICKSON, A.B., North Park College, 1962

GEORGE LOWELL HILL, A.B., 1962

ZEINHOM MAHMOUD MOHAMED KARIS, B.Com., Cairo University, 1960

PETER HAROLD NIEHOFF, A.B., Lawrence College, 1962

JAMES FREDRICK NISS, B.S., 1955

JAMES ARTHUR PHILLIPS, A.B., University of California (Santa Barbara), 1962

ROBERT ALLAN PISKIE, B.S., 1961

THEODORE EMMANUEL QUAST, JR., A.B., University of North Carolina, 1961

ROGER ANDREW SEDJO, A.B., 1961

THOMAS HENRY TUCHSCHERER, B.S., 1962

RICHARD DALE WINKELMAN, A.B., Southern Illinois University, 1961

*In Education*

MARGHERITE ELAINE McCLELLAN QUICK, B.S., Central Connecticut State College, 1961

*In English*

MARTHA REGINA BELL, A.B., Emory University, 1962

DAVID OTTO BERGER, B.S., Concordia Teachers College, 1962

MARY CATHERINE BURPEE, A.B., DePauw University, 1962

MICHAEL DOUGLAS BUTLER, A.B., Stanford University, 1962

CLARA JEAN LUEKER CARMEAN, A.B., 1960

JOHN ROBERT GREGG, JR., A.B., Hanover College, 1962

MARTHA DUKE HARTMAN, A.B., Pan American College, 1959

CANDACE STEPHENSON HELGESON, B.S., Wisconsin State College (La Crosse), 1943

PETER EDWARD MARTIN, A.B., Principia College, 1962

PEGGY CURREY MEERSE, A.B., Doane College, 1961

ALMA LOUISE MIDDLETON, A.B., 1961

HELEN BERTHA NIEDERWIMMER, A.B., Warburg College, 1957

KENNETH JOSEPH OBEREMBT, A.B., St. John's University, 1962

MAJOR DAN RAGAIN, A.B., Eastern Illinois University, 1962

PATRICIA GAIL RAYMOND, A.B., Northern Illinois University, 1961

LOUIS ANTHONY RENZA, A.B., Trinity College, 1962

PATRICIA ANNE RIEGER, A.B., 1953

JOAN ANTOINETTE ARCIERI TREZEK, A.B., Marquette University, 1962

KATHERINE BACHE TROWER, A.B., University of California (Berkeley), 1956

JOHN JEROME VON KERENS, B.S., Western Illinois University, 1958

MARY ANN ZACK, A.B., Marquette University, 1962

*In French*

ANNABEL VOGT ALLEN, A.B., 1962

DAVEY LEE DUNN, A.B., Illinois College, 1956

CARL HERBERT JOHNSON, A.B., Marietta College, 1962

RENÉE TEH-HSIN CHIN LO, A.B., College Misericordia, 1962

ROBERT GLENN ROBERTSON, A.B., University of North Carolina, 1961

GAIL FRANCINE TROYKA, A.B., DePauw University, 1962

*In Geography*

FRANK JOSEPH JANKUNIS, A.B., University of Georgia, 1962

*In German*

DOROTHY EDITH TERNES, A.B., Eastern Michigan University, 1960

OTTO WALTER TETZLAFF, A.B., Northern Illinois University, 1962

*In History*

DANIEL WILLIAM BARTHELL, A.B., University of Notre Dame, 1960

KAREN PRISCILLA BLATT, B.S., Northern Illinois University, 1959

GEORGE HARRY DEMETRAKOPOULOS, A.B., Michigan State University, 1962

DAVID BLESSMAN HILL, A.B., DePauw University, 1960  
KENNETH GLENN MADISON, A.B., 1962  
JAMES BENEDICT MARTIN, A.B., DeMazenod Scholasticate, 1943

*In Labor and Industrial Relations*

JACOB MICHAEL EISNER, A.B., Adelbert College, 1962  
EDWARD H. GHEARING, A.B., Hanover College, 1958  
WILLIAM KIMBALL GRAHAM, A.B., Willamette University, 1961  
TOSHIO NAGASHIMA, B.Econ., University of Tokyo, 1955  
GARY GAY PETERSEN, A.B., University of California (Los Angeles), 1961  
RODNEY MAYER SWEET, B.S., University of Wisconsin, 1962  
WILLIAM FREDERICK WEITZEL, JR., A.B., Wheaton College, 1961

*In Latin*

ROGER LYNE BECK, A.B., Oxford University, 1961  
WILHELM DOMINIKUS ECK, A.B., 1962

*In Mathematics*

MERLINE DEVINE MCCLOUD, B.S., Fort Valley State College, 1954  
MARTHA SCHUHMAN, A.B., Oberlin College, 1962

*In Philosophy*

LEWIS MORTON COLLENS, B.S., 1960

*In Political Science*

JUDITH ELAINE ALVER, A.B., 1962  
RAYMOND STEWART DODDS, B.Econ., University of Sydney, 1948

*In Psychology*

DOYLE WELDON BISHOP, A.B., University of Colorado, 1961  
HOMER HERBERT JOHNSON, A.B., Knox College, 1957; M.S., University of Wisconsin, 1959  
MICHAEL ELBERT OGLE, A.B., William Jewell College, 1961  
RICHARD HANS SCHULTE, A.B., Michigan State University, 1960  
LAWRENCE FRANCIS VAN EGEREN, B.S., St. Norbert College, 1960

*In Spanish*

CYNTHIA JANE BURNS, A.B., University of Tennessee, 1962  
GLORIA CEIDE-ECHEVARRIA, A.B., University of Puerto Rico, 1950  
TIMOTHY JOSEPH ROGERS, A.B., University of New Hampshire, 1959

*In Speech*

ELLA ADELAIDE DOYLE, B.S., Memphis State University, 1962  
PAUL GEORGE ELBRECHT, A.B., Texas Technological College, 1958  
GLORIA JOAN FISHER, A.B., MacMurray College, 1962  
DORIS GREEN GILES, A.B., MacMurray College, 1946  
ROBERT CHARLES HAWKES, B.S., Springfield College, 1947  
STEPHEN ARNOLD KAYE, A.B., University of Washington, 1961  
WALTER FRANCIS KELLY, A.B., University of Miami, 1962  
THOMAS WARREN LACKMAN, A.B., University of Delaware, 1962  
LIONEL HOUSTON LAWRENCE, A.B. (Hon.), Queen's University, 1962  
DIANE ELIZABETH LELITO, B.S., Northern Illinois University, 1962  
BRENDA JOANNE ROBINSON, A.B., University of the Pacific, 1962  
RICHARD WESLEY THIEDE, B.S., Eastern Michigan College, 1961  
GUY WILLIAM THOMPSON, B.S., Eastern Illinois University, 1959  
J. ROBERT WILLS, JR., A.B., College of Wooster, 1962

*In Statistics*

ROBERT WILLIAM GOSSROW, A.B., Knox College, 1962

*In the Teaching of English*

BARBARA ANN BROWN, A.B., 1962  
NAOMI RUTH CLAASSEN, A.B., Wheaton College, 1958

MELINDA ROBERTA DOMAN, B.S., Loyola University, 1962  
JESSE BLACK SOMMER, JR., B.S., 1958

*In the Teaching of Social Studies*

RAYMOND BRADFORD, JR., A.B., Evansville College, 1957  
GARY ARTHUR DWORAK, A.B., 1962  
PATRICIA HARNEY SMOOT, B.S., 1962

*In the Teaching of Spanish*

CAROL LEE HEIM, B.S., 1961

**Degree of Master of Science**

*In Accountancy*

SHAWKI EL-HUSSEINI MOHAMED MASSOUD FARAG, B.Com., Ain Shams University, 1960  
FAYEZ SALIM NOURALLAH, B.Com., Cairo University, 1959

*In Agricultural Economics*

KENNETH LEE BECKER, B.S., 1961  
SUDAMA SWARUP GOUR, B.S., Nagpur University, 1954; M.S., Agra University, 1956  
GORDON LEWIS GULLAKSON, B.S., 1962  
RAMA SHANKER MISRA, B.S., Agra University, 1949; Assoc., Indian Agricultural Research Institute, 1957  
AKKIPEDDI VENKATA KUTUMBA SASTRI, A.B., A.M., University of Madras, 1951, 1954; Diploma, Indian Council of Agricultural Research, 1957

*In Agricultural Education*

ROBERT ED COOTS, B.S., 1959  
JOHN HENRY FEDDERSEN, B.S., 1958  
CECIL LAFAYETTE STRICKLAND, B.S., Prairie View Agricultural and Mechanical College, 1960

*In Agricultural Engineering*

LARRY WILSON COFER, B.S., University of Arkansas, 1961  
MANUBHAI PRAGJI NAIK, B.Tech., Indian Institute of Technology, 1961

*In Agronomy*

ROGER CARL FITES, B.S.A., Purdue University, 1961  
RICHARD ROSS SMITH, B.S., 1962

*In Animal Science*

JAMES LEE COX, B.S.A., Purdue University, 1961  
BENNIE BERT DOANE, B.S., Oklahoma State University, 1950

*In Architectural Engineering*

RONALD NELSON HELMS, B.Arch., 1963  
JAMES GEORGE HROUDA, B.Arch., 1961  
FRANK LACKA, JR., B.Arch., University of Toronto, 1961  
JAY MICHAEL LEAVITT, B.Arch., 1962  
RONALD KENT SAWYER, B.Arch., 1962  
WILBUR ELMER YODER, B.S., Rhode Island School of Design, 1962

*In Biological Sciences*

ALFRED THOMAS JOHNSON, A.B., Northwestern University, 1957  
SAMUEL LERNER, B.S., 1962

*In Biophysics*

STEPHEN ARTHUR HAWLEY, A.B., Knox College, 1961

*In Botany*

EUGENE RICHARD MODJESKI, B.S., 1962

*In Chemical Engineering*

ROBERT EDWARD PLEVAN, B.Ch.E., Rensselaer Polytechnic Institute, 1961

*In Chemistry*

EDWARD ASHLEY ANDERSON, B.S., Queens College (New York), 1959  
CHARLES FREDERICK HOSLER, JR., B.S., University of Michigan, 1961  
DAVID OLIVER HURST, B.S., Wheaton College, 1962  
CHRISTIANE JANIE KLINE, B.S., University of Delaware, 1962

*In City Planning*

JOHN ADDISON FONDERSMITH, A.B., University of Maryland, 1961  
ALAN CHARLES RICHTER, B.S., University of Missouri, 1961  
ROGER LEE SUDDLESON, B.Arch., Kent State University, 1961

*In Civil Engineering*

LANCE BOICHOT, B.S., University of Miami, 1961  
EUGENE MUNSON BRISACH, B.S., United States Military Academy, 1960  
MEL CASTILLO, B.S., University of New Mexico, 1958  
CESAR AUGUSTO CORRETTIER, B.S., University of Puerto Rico, 1962  
GERASIMOS MICHAEL CRITICOS, B.Eng., American University of Beirut, 1962  
FRANK ENRIQUE DE GREIFF, C.E., National University of Columbia, 1962  
JAYANTKUMAR PARAGJI DESAI, B.Eng., Maharaja Sayajirao University of Baroda, 1962  
BEHROOZ FARSHI, B.S., American University of Beirut, 1962  
PAUL STEVENSON FORD, A.B., Monmouth College, 1961  
ON-YIN FUNG, B.Eng., McGill University, 1959  
DAVID FREDERICK GINGERICH, B.S., Kansas State University, 1962  
JOSE GUEMEZ-GARCIA, C.E., National University of Mexico, 1962  
JACK HARDIN, B.S., 1962  
BARRY JACK MARGOLESE, B.Eng., McGill University, 1962  
JACOBO MERENFELD DULBERG, C.E., Central University of Venezuela, 1960  
WILLIAM RAY MILLER, B.S., United States Military Academy, 1958  
KRISTIAN NYHUS, B.S., University of Alberta, 1956  
DONALD JOSEPH PALLADINO, B.S., United States Military Academy, 1958  
JAMES WYATT PECK, B.S., United States Military Academy, 1958  
JAMES JOSEPH POWERS, B.S., 1959  
ALLEN NATHAN REEVES, B.S., Washington University, 1962  
GIRI RAO ROYACHOTI, B.Eng., University of Madras, 1951  
JAMES RONALD SALLEY, B.S., 1962  
PRAYAGA SUBRAHMANYA SARMA, A.B., Andhra University, 1956; B.Sc., Ranchi University, 1961  
SURESH DAYABHAI SHROFF, B.S., 1962  
JAMES LEE SMITH, B.S., 1961  
VIRGILIO EDMUNDO VIVAS MELEAN, B.S., Oklahoma State University, 1957  
PHIROZE KHUSHROO WADIA, B.Eng., University of Bombay, 1961

*In Commercial Teaching*

LINDA SELDERS ALDERSON, B.S., 1954  
BARBARA LEE ALLEN, B.S., Illinois State Normal University, 1958  
ROBBIE LEE REDMOND, B.S., Alcorn Agricultural and Mechanical College, 1954

*In Economics*

JOHN OSCAR BORNHOFEN, B.S., 1961  
DARRELL ALBERT CHRISTIE, B.S., Jamestown College, 1962  
VIRGINIA LEE SMITH OWEN, B.S., Illinois State Normal University, 1962  
JOHANN HANNS FICHLER, Doctor, Graduate School of Business Administration and Economics (Vienna), 1960  
STANLEY VANAGUNAS, B.S., 1962

*In Education*

ESTHER DIANE HIRSCH, B.S., 1960  
PEGGY RAE SUTTON, A.B., Purdue University, 1962

*In the Education of Mentally Handicapped Children*

MARY YVONNE GRIFFIN, B.S., 1959  
WILLIAM SCOTT JENKS, B.S., Northern Illinois University, 1957

*In Electrical Engineering*

JOHN TEXEIRA BARROWS, B.S., Brown University, 1961  
ROGER SOLEM BREDEK, B.S., 1962  
ROMEO TAJANLANGIT CALUD, B.S., University of the Philippines, 1955  
ROBERT SPENCER CARTER, B.E.E., University of Delaware, 1962  
DAVID LAWRENCE DIBELL, B.S., Grove City College, 1962  
HERNANDO DURÁN CASTRO, B.S., 1961  
LEONARD FORBES, B.S., University of Alberta, 1962  
CHARLES CALVON HIGHSMITH, B.S., 1955  
JOHN WESLEY HILL, B.S., 1961  
CHARLES ROBERT KIME, B.S., State University of Iowa, 1962  
LLOYD GEORGE KNOWLES, B.S., Pennsylvania State University, 1961  
FRANK DIETER KOT, B.S., 1962  
JOHN EDWIN LEWIS, B.S., Grove City College, 1962  
MAROLD HERMAN LOHRENTZ, B.S., 1959  
SHIGENORI MATSUSHITA, B.S., University of Tokyo, 1959  
ROBERT JOHN MCAULAY, B.Sc., University of Toronto, 1962  
WILLIAM WISE PATTERSON, B.S.E., Princeton University, 1962  
LUZERN ARTHUR RICHTER, B.M.E., General Motors Institute, 1962  
KENNETH SVANE SCHRODER, B.S., 1962  
ERWIN EDWARD SCHULZE, JR., B.S., 1962  
NORMAN HARKEY SMITH, B.S., 1950  
RUDOLPH FRANCIS TROST, B.S., St. Louis University, 1962  
RONALD WILLIAM UNNERSTALL, B.S., Washington University, 1959

*In Finance*

JOHN WILLIAM ALLEN, B.S., 1958  
ROBERT LEWIS CONDON, B.S., 1959

*In Forestry*

JEROLD THOMAS HAHN, B.S., 1962

*In Geology*

PAULO MIRANDA DE FIGUEIREDO FILHO, Diploma, Universidade de Rio Grande do Sul, 1960  
STANLEY HAROLD FROST, B.S., Northern Illinois University, 1961  
ALAN GRANGER GOODFIELD, A.B., Ohio Wesleyan University, 1961  
KATHRYN GRONBERG O'BRIEN, B.S., 1958

*In Health Education*

CARLTON MERWIN FANCHER, B.S., State University of New York College of Education (Cortland), 1962  
DAVID WALTER LEHMANN, A.B., Ripon College, 1962  
MADELINE DASCH SKINNER, A.B., Hunter College of the City of New York, 1962

*In Home Economics*

JANE LOUISE BONANDER, B.S., Carthage College, 1961  
JANIS KAY FINLEY, B.S., 1959  
GERTRUDE GUSTAFSON GOBBEL, B.S., Pennsylvania State University, 1949  
MARION LOUISE ILLA, B.S., University of Minnesota, 1954  
SHARON KAY RANDEL, B.S., Kansas State University, 1962  
SISTER MARIANNE BROCK, A.B., St. Francis College, 1956  
LOIS FERN THOMPSON, B.S., Western Illinois University, 1961

*In Horticulture*

BALWANT SINGH, B.Sc., M.S., Agra University, 1952, 1953

*In Journalism*

CLAUDE FRANCIS BACHAND, A.B., Louisiana Polytechnic Institute, 1962  
RICHARD BENNETT BAYLEY, B.S., 1961  
ROGER LANGHAM BROWN, A.B., University of Cambridge, 1960  
ARLENE ANN BRUEGGEMAN, A.B., Fresno State College, 1961  
ROLLIE FARLEY HENKES, B.S., Iowa State University, 1958  
MICHAEL BERT SHELLY, B.S., Illinois State Normal University, 1962



*In Library Science*

- LOLA ALLENE BANE, B.Ed., Illinois State Normal University, 1938; A.M., 1939  
MARGARET AMEND BRADLOW, B.S., State University of Iowa, 1954  
SALLY THOMPSON BURG, A.B., A.B.(L.S.), University of Michigan, 1937, 1938  
JOHN KERNS BURRITT, A.B., Wartburg College, 1949  
ELIZABETH ANNE CARLSON, B.S., University of Wyoming, 1961  
IRMA MARGARET FALCK, B.S., University of South Dakota, 1933  
MOHSEN MOSTAFA FARID, A.B., Cairo University, 1958  
BETTY TOBA FELDMAN, A.B., Washington University, 1961  
DAVID NEIL FORSYTHE, A.B., Muskingum College, 1962  
RUTH CAROL GULDNER, A.B., State University of Iowa, 1961  
EDWARD FREDERICK HESS, JR., B.S., Northwestern University, 1941; LL.B., 1947  
ILLAH DEANNA HJORT, B.S., University of Wisconsin (Milwaukee), 1960  
WILLIS MCCRACKEN HUBBARD, A.B., Monmouth College, 1962  
HUI-FANG WU HUNG, B.Ed., Taiwan Normal University, 1960  
MARCIA MARKS JETTON, A.B., 1958  
THOMAS LEONARD KILPATRICK, B.S., Southern Illinois University, 1959  
HYUN KEE KIM, A.B., A.M., Ewha Women's University, 1959, 1961  
REGINA SUN KOO, A.B., National Taiwan University, 1959  
EILEEN WEI-LEE LAI, A.B., National Taiwan University, 1958  
RITA ELLEN LINDEMANN, A.B., 1962  
CAROL FRANCES LUKE, B.S., St. Louis University, 1961  
HELEN PULLEY McREYNOLDS, B.Ed., Southern Illinois University, 1942  
JAMES JOSEPH MICHAEL, A.B., University of Wisconsin, 1961  
JOHN LESLIE RICHARDS, B.S., 1958  
PATRICIA HELEN RINGER, A.B., Kansas State Teachers College (Emporia), 1960  
HARRY PAUL SCHRANK, JR., B.S.C., Ohio University, 1949  
BOBBIE DAVIS SMITH, A.B., Eureka College, 1955  
MARY SCHWEIKERT SPELLMAN, A.B., 1961  
CATHERINE YUH-CHING WANG, A.B., National Taiwan University, 1961  
PAMELA SCAMMAN WARREN, A.B., Nebraska Wesleyan University, 1962  
JOHN MARVIN WELLER, A.B., Knox College, 1962  
SHARON FARMER WILLIS, B.S., Southern Illinois University, 1960  
ETHEL BANKS WILLOUGHBY, B.S., Tuskegee Institute, 1940  
LUCY JEAN WRIGHT WILSON, A.B., Middlebury College, 1960  
KYUNG HI YU, B.S., Central Missouri State College, 1960  
HELEN ZACHMAN, A.B., Geneva College, 1947; B.S., Syracuse University, 1948

*In Management*

- WILLIAM ERNEST MICHENER, JR., B.S., University of Kansas, 1954

*In Marketing*

- RICHARD PAUL EVANS, B.S., 1957

*In Mathematics*

- MARCIA MAY ARMSTRONG, A.B., Sweet Briar College, 1962  
DAVID ERVIN BLAIR, B.S., Beloit College, 1962  
ROBERT EARL GAINES, B.S., 1963  
RICHARD SAMUEL HALL, A.B., Albion College, 1962  
RODNEY LEE HAMBURG, B.S., 1960  
LELAND KITCHIN McDOWELL, B.S.(E.E.), B.S.(Appl. Math.), North Carolina State College of Agriculture and Engineering, 1962, 1962  
KUK-MI KIM PAC, B.S., Rikkyo University, 1953  
WILLIAM WEITZMAN, B.S., 1961  
BETTY JONES WHITTEN, B.S., 1962

*In Mechanical Engineering*

- GALE YANCEY ANDERSON, B.S., Brigham Young University, 1959  
DONALD LEONARD BARTEL, B.S., 1961  
ALEXANDER JOHNSTON III, B.S., United States Military Academy, 1958  
MILTON ALFRED KRUSE, JR., B.S., University of Miami, 1962  
SUSHIL KUMAR MALIK, B.Tech., Indian Institute of Technology, 1962  
HAN CHUAN MOY, B.S.(C.E.), B.S.(M.E.), University of Wisconsin, 1959, 1961

PETER ALLEN PERKINS, B.S., Bradley University, 1963  
VENULA PANDU RANGA RAO, B.Eng., Andhra University, 1961  
CZESLAW MATEUSZ RODKIEWICZ, Diploma, Polish University, 1950  
WALTER RONALD RYDER, B.S., 1961  
KYIN SOE, B.S., 1962  
RONALD JAMES VODICKA, B.S., Northwestern University, 1956

*In Metallurgical Engineering*

HOWARD BERTON AARON, B.Met.E., Cornell University, 1962  
DENES ISTVAN BARDOS, B.S., 1962  
EMMANUEL DE LAMOTTE, Eng.Physicist, State University of Liege, 1962

*In Mining Engineering*

RODDA RAGHUNADHA REDDY, B.S., Benaras Hindu University, 1956

*In Music Education*

CHARLES STEPHEN ALLFREE, B.S., 1957  
WAYNE HAROLD BRADTKE, B.S., 1960  
GERALD DAVID BUCKLER, B.Mus.Ed., Wartburg College, 1962  
KRISTAN EVERETT CRANE, B.Mus.Ed., Murray State College, 1959  
WARREN WILLIAM FRANK, B.S., Eastern Montana College of Education, 1961  
JACK PAUL HANSEN, B.S., 1960  
BRUCE DUDLEY HOAGLAND, B.S., Indiana State Teachers College, 1959  
JOHN DAVID LOWERY, B.S., East Carolina College, 1959  
MYRON DONALD McLAIN, JR., B.S., 1957  
WARREN SCOTT MELAND, B.S., 1962  
HOWARD MORTON MILLER, B.S., Temple University, 1962  
DORCAS ANN NEWTON, B.S., 1962  
WILLIAM DEAN OYEN, B.S., 1958  
RICHARD WENDELL PERRY, B.Mus.Ed., Murray State College, 1959  
SUSAN BOONE PERRY, B.Mus.Ed., Murray State College, 1959  
DOUGLAS WILLIAM REEVE, B.Mus., Oberlin College, 1961  
JEAN ROWSE, A.B., Lake Forest College, 1962  
MADELINE SARAH SAUERBIER, B.S., Illinois State Normal University, 1960  
JUDY MAY SCHNELL, B.Mus.Ed., Illinois Wesleyan University, 1962  
SISTER MARY LAURELLE BERKES, A.B., B.Mus., College of St. Francis, 1937, 1957  
WILLIAM CLARENCE SMILEY, B.Mus.Ed., Jackson State College, 1962  
CHELSEA TIPTON, B.S., Virginia State College, 1955  
EDWARD WILLIAM VOLZ, B.Mus.Ed., Northwestern University, 1955  
EUGENE LEON YINGLING, B.S., 1959

*In Nuclear Engineering*

MIRZA AZFAR BEG, B.S., B.Eng., Aligarh Muslim University, 1955, 1959  
ARTHUR WALLACE DEYO, A.B., Taylor University, 1962  
PRATAP KILACHAND DOSHI, B.S., University of Rangoon, 1961  
HAROLD ALBERT KURSTEDT, JR., B.S., Virginia Military Institute, 1961  
NORMAN CLARK PATE, B.S., 1961  
ALBERTO RODRIGUEZ MARCIALES, Eng., Central University of Venezuela, 1959

*In Physical Education*

MARSHALL DOUGLAS BANKS, A.B., Morehead State College, 1962  
LESTER JAY BROD, B.S., 1962  
HOWARD ARTHUR BURNS, B.S., University of Massachusetts, 1957  
MARY LOUISE CAPOVAL, B.S., Western Michigan University, 1959  
ANTHONY RICHARD CILLO, B.S., Rutgers University, 1952  
SONDRA JO CURRY, B.S., Indiana State Teachers College, 1958  
ALFREDA FARINA, B.S., Boston University, 1960  
JERRY WAYNE GOEGLEIN, B.S., Valparaiso University, 1962  
SANDRA JOAN HAGBERG, B.S., Wisconsin State College (La Crosse), 1959  
DOUGLAS ALLAN HODGE, B.S., University of Idaho, 1962  
EDITH JOHNSON, B.S., Southern University, 1951  
JOHN EDGAR LAMBERT, B.S., 1962  
RICHARD FREDERICK MACPHERSON, B.S., Springfield College, 1958

SUSAN CAROL NAYLOR, B.S., University of Kansas, 1962  
JEAN HELEN PEKARA, B.S., Brooklyn College, 1962  
BARRY ELROY STERN, B.S., Springfield College, 1962  
GEORGE ALEXANDER TERZIAN, B.S., 1960  
LAWRENCE WARSHAWSKY, B.S., Springfield College, 1958  
RONALD GEORGE WIGGETT, A.B., Rhodes University, 1951; B.Ed., University of Stellenbosch, 1961  
JOANNE WILSON, B.P.E., University of British Columbia, 1962

*In Physics*

STEPHEN TAYLOR FALK, B.S., Yale University, 1962  
RALPH STEPHEN KROES, A.B., Maryknoll College, 1953; B.S., Stanford University, 1962  
JAMES STAVERT LOOS, B.S., University of North Dakota, 1962  
DAVID WAYNE MANTIK, B.S., University of Wisconsin, 1962  
DAVID LESLIE WRIGHT, B.S., Wheaton College, 1962

*In Recreation*

RICHARD S. ALLEBACH, JR., B.S., Ursinus College, 1962  
MARVIN DEAN HEFFINGTON, B.S., 1960  
MICHAEL EDWARD HOWARD, A.B., San Jose State College, 1962  
EUGENE MAXWELL KIRBY II, B.S., 1962  
JOEL AARON LERNER, B.S., University of Massachusetts, 1962  
MARTHA JANE LOOMIS, A.B., Michigan State University, 1957; awarded posthumously  
JOAN MARIE MAYER, B.S., State University of New York College of Education (Cortland), 1960  
ELIZABETH ANN MILLER, B.S., George Williams College, 1948  
MARTHA LEE PETERS, B.S., Ohio State University, 1941  
LEONARD GLENN ROBERTS, A.B., San Jose State College, 1958  
JUDITH CLARK SOLOMON, A.B., Boston University, 1962

*In Sanitary Engineering*

EDWARD LEE THACKSTON, B.Eng., Vanderbilt University, 1961

*In the Teaching of Biological Sciences and General Science*

MARLENA KAY BALDRIDGE, B.S., 1962  
PATRICIA MASAYE NAKAYAMA, B.S., 1962  
AUGUSTINE IKECHUKWUKA OKONKWO, B.S., Kansas State Teachers College, 1960; A.B., William Jewell College, 1961; M.S., Kansas State Teachers College, 1961  
ELAINE GERALDINE ROSEN, B.S., 1959  
ELIZABETH ANNE STOLTZ, A.B., Greenville College, 1962  
DOROTHY MAE PIERRE THOMPSON, B.S., Grambling College, 1957

*In the Teaching of Chemistry*

PAUL SHEA COHEN, A.B., Brooklyn College, 1960

*In the Teaching of Mathematics*

CONSTANCE LEONA FULKERSON, A.B., Beloit College, 1931  
ARTHUR WILLIAM HAMMAR, B.S., 1961  
KARL CORNELL KELLEY, B.S., 1962  
ADRIENNE MARIE MADURA, B.Ed., Chicago Teachers College, 1961  
GLENN ROBERT MAHLER, A.B., Montclair State College, 1962  
SISTER MARY VENARD MCCOPPIN, A.B., DePaul University, 1956  
GLORIA JO SNOPKO, B.S., Elmhurst College, 1961

*In Theoretical and Applied Mechanics*

JOHN JOSEPH HEALEY, B.C.E., Manhattan College, 1962  
WESLEY ERNEST HOSKEN, B.S., 1962  
KIM ODELL STEIN, B.S., 1962  
KARL KENT STEVENS, B.S., Kansas State University, 1961

*In Veterinary Medical Science*

AMOS POWERS WILSON, D.V.M., Kansas State University, 1943

*In Zoology*

DAVID BRUCE CRANDALL, A.B., Greenville College, 1961

STANLEY LEE ETTER, B.S., 1961

EDWARD OWEN MOLL, B.S., 1961

JEROME JOHN PAULIN, B.Ed., Wisconsin State College (Whitewater), 1962

JAMES WILLIAM WADDICK, B.S., 1962

**Degree of Master of Music**

ADA MICHELMAN BLIESENER, B.Mus., B.Mus., American Conservatory of Music, 1931, 1933

EDWARD GEORGE BREWER, B.Mus., A.B., Oberlin College, 1960, 1960

ROBERT HAROLD BROWN, B.Mus., Oberlin College, 1959; M.S., 1960

BARBARA ELAINE GOLDMAN COGAN, B.Mus., 1961

JAMES ELLIOT DAPOGNY, B.Mus., 1962

MARY ANN HOFFMANN, B.S., State University of New York College of Education (Potsdam), 1954

MARILYN RUTH DARE SWITZER, B.Mus., Oberlin College, 1961

GRACE NANNETTE WIECK, B.Mus., University of Louisville, 1961

MICHAEL WILLIAM ZENGE, B.Mus., Oberlin College, 1962

**Degree of Master of Education**

JEWELL MARIE WISE ADAMS, B.S., Quincy College, 1949

FREDERICK JOSEPH ADELMAN, A.B., San Diego State College, 1956

MARGARET ESTELLA AHLAND, B.S., Culver-Stockton College, 1954

WALTER LEROY ALDRICH, A.B., Shurtleff College, 1957

JOHN HARRY ALEXANDER, B.S., 1958

EDWARD LEE ALLEN, A.B., 1962

ROBERT BRADFORD ANTHONY, B.S., 1960

HELEN JEAN ARTIS, B.S., Tougaloo College, 1958

MAXINE LEE AYRES, B.S., 1960

KENNETH ARTHUR BAKER, B.S., Eastern Illinois University, 1958

MARY JUNE BARKER, B.S., Southern Illinois University, 1958

NORMA HALBENE BEAN, B.S., 1955

KENNETH O. BELL, B.S., Western Illinois University, 1957

OREL LINDSAY BELL, B.S., Southwest Missouri State College, 1949

FREDA STAFFORD BENDER, B.S., Ohio State University, 1936

MARY ANN ALLISON BERGSCHNEIDER, B.S., Northwest Missouri State College, 1957

ROBERT ANGELO BEST, B.S., Southern Illinois University, 1948

KENNETH REGINALD BIBA, B.S., 1960

PATRICIA MUSICK BINZER, A.B., Quincy College, 1951

JAMES JOSEPH BLAHA, B.S., Illinois State Normal University, 1960

BETTY LOUISE BLOOMFIELD, B.S., Western Illinois University, 1958

DOROTHEA LOMAX LONG BLUE, B.S., 1961

JOANNE MARIE BOEHM, A.B., Mundelein College, 1955

IVAN NYE BOOHER, B.S., 1954

ROBERT THOMAS BORDENAVE, B.S., Western Illinois University, 1951

WILLIAM MACGREGOR BRIDGELAND, B.S., 1960

GARY WAYNE BROWN, B.S., 1962

HERMAN EUGENE BROWN, A.B., Stowe Teachers College, 1951

WARREN PIERCE BROWN, A.B., Lake Forest College, 1958

JERRY THOMAS BROWNFIELD, B.S., Eureka College, 1955

JUDITH PETERSON BURD, B.S., Illinois State Normal University, 1961

SYBIL SUE BURGIN, B.S., 1961

BETTY JANE BURNS, A.B., Michigan State College, 1942

STANLEY HERBERT CAMPBELL, B.S., Lincoln University, 1956

ADELBERT FOREST CARPENTER, A.B., 1960

EARL HOWARD CARR, B.S., Southwest Missouri State College, 1957

GEORGE LEWIS CARSON, B.S., Muskingum College, 1953

ROBERT JOHN CASSIDY, B.S., 1959

DIANA KAY CHILES, B.S., 1960  
 DOROTHY DIRKS CLARK, B.S., Northern Illinois University, 1959  
 CLARENCE RAY COLCLASURE, B.S., Illinois State Normal University, 1960  
 HAROLD COLEMAN, A.B., 1962  
 GEORGE CARLEY CONNOR, JR., A.B., Antioch College, 1961  
 LONNIE GENE CORDELLE, A.B., Upper Iowa University, 1959  
 MARY JOSEPHINE CORRIGAN, B.S., Illinois State Normal University, 1957  
 BETTY JANE COVENTRY, B.S., Eastern Illinois University, 1953  
 HELEN LOUISE CRAWFORD, B.S., Greenville College, 1951  
 M. ELIZABETH CRUTCHFIELD, B.S., Murray State College, 1942  
 CAROLYN TURNER CUBIT, B.S., Southern University, 1956  
 ROBERT ELLIS CUDNEY, B.S., Quincy College, 1957  
 DENNIS ALAN DAHL, B.S., 1961  
 JOAN ANDERSON DAVIS, A.B., 1960  
 LYDIA KOMNICK DAVIS, B.S., Olivet Nazarene College, 1959  
 JAMES CLARENCE DESCOURQUEZ, B.S., 1960  
 EUGENE DALE DILL, B.S., Southern Illinois University, 1960  
 BARBARA ANN DOUTHIT, B.S., 1961  
 ALICE MARY CONOVER EDGAR, B.S., Eastern Illinois University, 1958  
 LORYANN MALVINA EIS, A.B., Augustana College, 1960  
 HOLLIS LEROY EYESTONE, B.S., 1954  
 ROLAND FALCONER, B.S., Illinois State Normal University, 1949  
 HARRY DAVID FLUMBAUM, A.B., Georgetown College, 1960  
 BRENDAN JOHN FLYNN, B.S., Western Illinois University, 1955  
 JANE MURRAY FLYNN, B.S., Greenville College, 1959  
 ROSAMOND LOUISE LAVELY FLYNN, B.S., Illinois State Normal University, 1953  
 SYLVIA WINELAND FRANK, B.S., 1959  
 BILLIE JOE FULLERTON, A.B., David Lipscomb College, 1955  
 CLINTON ZENIS GARBS, B.S., Southern Illinois University, 1950  
 CHARLEEN MILLER GARRISON, A.B., McKendree College, 1959  
 MARJORIE JOANNE GAVIN, B.S., Bradley University, 1962  
 ROBERT IRWIN GOODWIN, B.S., 1960  
 KENNEY EARL GRAY, B.S., Mississippi State University, 1962  
 VON HAYS GREGORY, B.S., Illinois State Normal University, 1958  
 GAYNELL MARIE GRUBB, B.S., 1962  
 ROBERT CALVIN GURLEY, B.S., Southern Illinois University, 1959  
 LOUISE JEANNE HAGEN, B.S., Illinois State Normal University, 1950  
 ERNEST MARK HANSON, JR., B.S., 1961  
 DONALD LLOYD HARVEY, B.S., University of Colorado, 1939; B.S., California Institute of Technology, 1941  
 JAMES TEMPLE HASHBARGER, B.S., 1954  
 GLENN WARREN HAYES, B.S., 1961  
 SUSIE ELIZABETH HAYES, B.S., 1960  
 ANN STANLEY HEALEY, A.B., 1960  
 LEO BARRON HICKS, SR., B.S., Lincoln University, 1956  
 DONALD RAY HISH, B.S., Illinois State Normal University, 1960  
 JACK HOBBS, B.S., Southwest Missouri State College, 1957  
 MARGARET JOHNSON HODGE, B.S., University of Idaho, 1962  
 IRENE AMMANN HONSELMAN, B.S., Illinois State Normal University, 1957  
 PATRICIA LOU HOOKS, B.S., Olivet Nazarene College, 1957  
 RALPH ELWYN HUBBARD, A.B., Aurora College, 1954  
 LILEEN RUPPEL HUNT, B.S., University of Wisconsin, 1959  
 PAUL H. HUNT, B.S., Millikin University, 1958  
 MARGARET LUCILLE HUSTEAD, B.S., Illinois State Normal University, 1959  
 HELEN LUSK JAVIOR, A.B., 1956  
 WILLIAM RYAN JENKINS, A.B., Knox College, 1955  
 ROGER ALLEN JENSEN, A.B., McKendree College, 1958  
 MILLIE BUSBY JODA, B.S., 1955  
 JERRY GLENN JOHNSON, B.S., Southern Illinois University, 1958  
 NEIL ALFRED JOHNSON, B.S., Wisconsin State College (Oshkosh), 1956  
 RAYMOND THOMAS JONES, A.B., Shurtleff College, 1952  
 WARREN EUGENE JORDAN, SR., A.B., Bob Jones University, 1957  
 PAUL RICHARD KEISER, B.S., Northern Illinois University, 1959

- LORENE GEHLBACH KENDALL, B.S., 1960  
DONALD EDWARD KENNEY, B.S., 1961  
PATRICIA MARIE KIDWELL, B.S., Eastern Illinois University, 1958  
ROBERT JOHN KOLENO, B.S., 1961  
PHYLLIS TATSUKO KUBOTA, B.S., Northwestern University, 1962  
GUY McDOWELL LAHR, JR., B.S., Shurtleff College, 1953  
MARY RUTH DOUGLAS LAHR, A.B., McKendree College, 1953  
RICHARD LAWRENCE LANGENFELD, B.S., 1958  
DONALD FLOYD LARSON, B.S., 1957  
NINA PHYLLIS LEWIS LASTER, B.S., Lincoln University, 1954  
ROBERT EUGENE LAWSON, B.S., 1960  
ROBERT WESLEY LEACH, B.S., Illinois State Normal University, 1957  
WINFORD CARL LEGATE, B.S., 1957  
CHARLES ROBERT LEININGER, B.S., Western Illinois University, 1961  
JACOB DAVID LIFSHIN, B.S., 1962  
RAYMOND WAYNE LIVINGSTON, A.B., 1951  
JEANETTE LEE LOHBAUER, B.S., 1961  
BERNARD LONG, B.S., Illinois State Normal University, 1957  
GARY D. LONNON, B.S., Millikin University, 1960  
PAULINE THOMAS LUTHI, B.S., Purdue University, 1936  
RONALD JON LUTZ, B.S., Western Illinois University, 1961  
CHARLOTTE ELIZABETH LYON, B.S., Michigan State University, 1953  
MARJORIE JEANNE MACY, B.S., 1948  
THOMAS FRANCIS MARRY, JR., A.B., St. Ambrose College, 1951  
REINHOLD GUSTAV MATTES, B.S., 1962  
RALPH PHILBROOK MAYALL, B.S., 1948  
GEORGE WILLIAM MCARDLE, B.S., Illinois State Normal University, 1959  
MARGARET STEEN MCBROOM, B.S., Olivet Nazarene College, 1950  
GERALD LEO MCCOY, B.S., Mankato State College, 1960  
MARY CASSIDY MCCOY, B.S., 1961  
ROBERT FRANCIS MCFADDEN, A.B., Lewis College, 1962  
PATRICIA BOYER MCKAY, B.S., Ball State Teachers College, 1960  
MESEL LENA MCLAURIN, B.S., Alcorn Agricultural and Mechanical College, 1948  
SHEILA ANN MCMILLAN, B.S., 1960  
RONNIE RAY MCNEAL, B.S., Illinois State Normal University, 1958  
EDWIN DALE MELLON, B.S., 1950  
MARILYN RUTH BLOCK MELTON, B.S., 1954  
MILDRED MADALYN MICUCCI, B.Ed., National College of Education, 1955  
WILLIAM CARL MITZE, B.S., Illinois State Normal University, 1960  
RUTH ELEANOR MOLINE, B.S., Kansas State University, 1959  
RONALD PETER MONGE, B.S., Eastern Illinois University, 1960  
ALAN CLAIRE MOORE, B.S., Eastern Illinois University, 1957  
EDWARD WESLEY MOORE, B.S.(L.A.S.), B.S.(Educ.), 1942, 1956  
PHYLLIS EVANS MOORE, B.S., 1942  
RONALD WILLIAM MORELAND, B.S., Eastern Illinois University, 1962  
CHARLES HADLEY MORINE, B.S., 1955  
PAUL EDWARD MORRIS, B.S., Quincy College, 1950  
LYLE WARREN MORROW, B.S., Illinois State Normal University, 1958  
WILLIAM HARLAN MOUTRAY, B.S., Eastern Illinois University, 1957  
BLANCHE GRIEVE NASH, B.S., Montana State College, 1960  
HAROLD RANDALL NELSON, B.S., Western Illinois University, 1957  
HOPE BROWN NELSON, B.S., Eastern Illinois University, 1949  
JANICE ANDERSON NUSS, B.S., Illinois State Normal University, 1958  
RAYMOND JOSEPH O'DONNELL, B.S., Michigan State University, 1951  
EARLINE MCPHERSON OLIVER, A.B., McKendree College, 1957  
LORRAINE BRANSON OLSON, A.B., Culver-Stockton College, 1937  
MELVIN ROSS PARTRIDGE, B.S., Southern Illinois University, 1959  
MAXINE MARILYN PATTERSON, A.B., Fisk University, 1950  
ROBERT LEE PATTERSON, B.S., Western Illinois University, 1957  
FREDA JOHNSON PHILLIPS, B.S., Illinois State Normal University, 1950  
JOANNA BEGGS PITTMAN, B.S., Southern Illinois University, 1953  
MARGARET DOELLING PODESTA, B.S., Eastern Illinois University, 1958  
GERALD BERNARD POOLIN, B.S., 1959

- ROBERT ERNEST PORTER, B.S., 1961  
LLOYD DALE PROVOW, B.S., Illinois State Normal University, 1959  
DAVID JOSEPH PUCEL, B.S., Stout State College, 1962  
COULTER STEPHANI PUSTMUELLER, B.S., Southern Illinois University, 1954  
BETTY BREWNER QUICK, B.S., Northern Illinois University, 1950  
LEROY FRANKLIN RADER, B.S., Western Illinois University, 1960  
REBECCA EUNICE RAFFE, A.B., James Millikin University, 1951  
DENNIS THOMAS RAINSFORD, A.B., 1956  
KATHRYN ANN RANSOM, B.S., Southwest Missouri State College, 1958  
DAVID EUGENE RAYHILL, B.S., Millikin University, 1958  
JACK RAY REEDER, A.B., Eureka College, 1957  
LARRY HAYDEN REYNOLDS, B.S., Michigan State University, 1959  
FLORENCE SMITH RICHARDS, B.S., Eastern Illinois University, 1953  
BERNICE ARLENE RICHMOND, B.S., Illinois State Normal University, 1959  
VIRGINIA LEE ROCKE, A.B., Colorado College, 1951  
LEILA ELIZABETH ROADY ROWDEN, A.B., Illinois College, 1938  
EDWARD A. ROWLEY, B.S., Wisconsin State College (Eau Claire), 1958  
THOMAS FRANK RUSSO, B.S., 1960  
SAMUEL JAMES RYERSON, B.S., Millikin University, 1958  
WENDELL EMERSON ST. JOHN, B.S., 1960  
MARY RITA SAMLIN, B.S., Illinois State Normal University, 1957  
PAUL WALTER SAREWICH, B.Ed., Chicago Teachers College, 1958  
DONALD LEE SCHAEFER, B.S., Eastern Illinois University, 1960  
PHILLIP HERMAN SCHMIDT, B.S., Western Illinois University, 1958  
JIMMIE JOE SCHMITT, B.S., Illinois State Normal University, 1958  
ROBERT EUGENE SCHNELLE, B.S., Illinois State Normal University, 1958  
JOHN FREDRIC SCHOLFIELD, B.S., Illinois State Normal University, 1958  
ANNE MURRAY SCHOTT, A.B., College of St. Catherine, 1941  
CHARLES WESLEY SCHRADER, B.S., 1958  
JOHN DAVID SECHREST, B.S., Eastern Illinois University, 1949  
JOHN KEITH SELLERS, B.S., Eastern Illinois University, 1951  
KENNETH ALAN SHAW, B.S., Illinois State Normal University, 1961  
CHARLES FRANKLIN SIDES, B.S., Texas Christian University, 1959  
DORR LESTER SIMER, B.S., 1959  
SISTER MARY MERCY CONNOR, A.B., St. Ambrose College, 1955  
SISTER MARY JEANNETTE MCGRATH, B.S., Loyola University (Illinois), 1957  
SISTER MARY PAULETTA OVERBECK, Ph.B., Loyola University (Illinois), 1958  
SISTER MARY ANDREA SMITH, A.B., San Diego College for Women, 1958  
VERNA RUHMAN SLATER, B.S., 1959  
HERBERT JACQUEMIN SLIGER, B.S., 1950  
ROBERT ANTON SOUCEK, B.S., Northwestern University, 1947  
JOSEPH ALBRIGHT SPRINGER, B.S., University of Notre Dame, 1954  
MARGARET ALKIRE STARK, B.S., 1961  
CONNIE LAVERNE STEPHENS, B.S., Lincoln University, 1957  
RALPH MERLE STIVERS, B.S., 1943  
ALVAH LEE STONE, JR., B.S., Olivet Nazarene College, 1955  
SIDNEY STRAUSS, B.S., 1962  
JOHN DONAHUE SWEENEY, B.S., 1957  
RODNEY OLIVER SYMES, JR., B.S., University of Chattanooga, 1960  
DONALD EUGENE TAYLOR, B.S., Southeast Missouri State College, 1958  
RUTH ALICE BRADLEY THEIS, B.S., Olivet Nazarene College, 1956  
ROBERT LEE THORSTENSON, B.S., Illinois State Normal University, 1956  
EUGENE FRANCIS TOMASZEK, B.S., Loyola University (Illinois), 1955  
ROBERT GORDON TURNER, A.B., Knox College, 1947  
IRMA EDITH UNZ, A.B., North Central College, 1925; A.M., University of Wisconsin, 1936  
ARVALYN BREMER VAN ETEN, A.B., 1961  
NICK GEORGE VEREMIS, B.S., Southern Illinois University, 1954  
PATSY RUTH VOLNER, A.B., Centre College, 1954  
RUTH WEIGANT VOLZ, B.S., Illinois State Normal University, 1957  
MARILYN KAY TAYLOR VON LANKEN, B.S., Millikin University, 1958  
PAUL DALE WALKER, B.S., 1958  
EDEL WEBB, A.B., Harris Teachers College, 1957

FERNE STODDILL WEHER, B.S., Illinois State Normal University, 1960  
CLARK RICHARD WHITE, B.S., Northern Illinois University, 1960  
FRANCES RUTH MCCORMICK WHITE, B.S., Eastern Illinois University, 1960  
WAYNE REX WHITLATCH, B.S., 1960  
RUTH E. JOHNSON WHITMARSH, B.S., Carthage College, 1951  
LOREN IFORD WICKERT, B.S., 1958  
ALFRED J. WILSON, B.S., Southern Illinois University, 1958  
VIVIAN ANTOINETTE WILSON, B.S., Hampton Institute, 1962  
JOHN HENRY WIRTZ, B.S., 1956  
WILLIAM JACOB WITTMAYER, B.S., Western Illinois University, 1958  
RAE PRAY WRIGHT, B.S., Purdue University, 1959  
GEORGE JOSEPH YARD, B.S., Illinois State Normal University, 1959  
CAROLYN MOORE ZEISSET, A.B., Westmar College, 1962

#### Degree of Master of Social Work

GAIL LUCILLE BREFELD, B.S., 1959  
MARILOU HUDDLESTON BURNETT, A.B., Oklahoma State University, 1950  
THOMAS ANDREW BURNS, A.B., LL.B., Ed.M., 1941, 1947, 1957  
AGNES OAKS STEFFY, A.B., Albright College, 1961

#### Degree of Master of Fine Arts

##### *In Painting and Printmaking*

ROBERT EDWARD ANDERMANN, B.F.A., 1952  
RICHARD THOMAS FAIRFIELD, B.F.A., Bradley University, 1961  
JOHN LOUIS VOGT, B.F.A., Kansas City Art Institute, 1961

#### Degree of Master of Accounting Science

CLARK DEAN HOLLINGSWORTH, A.B., Coe College, 1962  
RICHARD VINCENT JOHNSON, B.S., Northern Illinois University, 1962  
FOLKE GUSTAV KARLING, Diploma, Stockholm School of Economics, 1961  
WILLIAM THEODORE MIDDENDORF, B.B.A., University of Notre Dame, 1962  
RASIDI, B.S., 1962  
R. OSKAR SOERJA ATMADJA, B.S., 1962  
SUMANTRI SUMODIRONO, B.S., 1962  
ARLAN DEAN WILLOCK, B.S., 1959

#### Degree of Master of Architecture

DAVID PETER BRORS, B.Arch., 1961  
ROBERT MACDONALD FORD III, B.Arch., University of Washington, 1962  
WILLIAM KYLE GREENOCK, Diploma, Royal College of Science and Technology, 1962  
ROBERT PHILLIP HOLMES, B.Arch., North Dakota State University, 1961  
CARL KA WOO MARK, B.S., Taiwan Provincial Cheng Kung University, 1957  
JOSEPH BERNARD SHAUGHNESSY, JR., B.Arch., University of Notre Dame, 1956  
JERRY WILLIAM SPENCER, B.Arch., University of Nebraska, 1957  
ROBERT LAWLEY WRIGHT, B.Arch., Oklahoma State University, 1962

#### Degree of Master of Commerce

KARL LEO GREITER, B.S., 1961

#### Degree of Master of Business Administration

JOHN HOWARD WILLIAMS, A.B., 1962

#### Degree of Master of Comparative Law

PIRKKO KAARINA KOSKINEN, LL.B., Helsinki University, 1956

#### Degree of Master of Extension Education

WEBSTER ELLSWORTH BAY, B.S., University of Missouri, 1954  
BRAHMA DEO PANDEY, B.S., M.S., Ph.D., Banares Hindu University, 1952, 1954, 1961



**Advanced Certificate***In Education*

- WILLIAM E. AUGUSTUS, B.S., Illinois State Normal University, 1949; Ed.M., University of Colorado, 1950  
 HILDE MARIE BLOCH, A.B., Millikin University, 1943; A.M., University of Wisconsin, 1951  
 DAN TOM BOURBULAS, A.B., A.M., 1953, 1954  
 EDWARD RAYMOND BROGLY, B.S., M.S., Northern Illinois University, 1953, 1958  
 EVA FILCHAK BROWN, B.S., Millikin University, 1948; Ed.M., 1955  
 JOHN ALLEN COLWELL, A.B., Augustana College (South Dakota), 1957; M.S., 1962  
 JOSEPH CARROLL DEATON, B.Ed., Southern Illinois University, 1941; M.S., 1949  
 DALE DEAN DOWNS, B.S., Eastern Illinois University, 1956; Ed.M., 1961  
 FRANK DUFOUR, B.S., M.S., 1949, 1950  
 ADRIAN WILLIAMS ERNST, B.S., Eastern Illinois University, 1951; Ed.M., 1955  
 MARY JANE FORD, B.S.E., Arkansas State Teachers College, 1948; M.S., 1955  
 MICHELE GRANT, B.S., Lincoln University, 1952; Ed.M., 1955  
 ROBERT LEON HAMAN, B.S., Southeast Missouri State College, 1953; Ed.M., 1959  
 HOWARD PAUL HAUG, B.S., Illinois Wesleyan University, 1943; M.S., Illinois State Normal University, 1960  
 WILLIAM MARVIN ISOM, B.S., M.S., Eastern Illinois University, 1952, 1954  
 HAROLD SNODDY JESTER, B.S., 1930; A.M., State University of Iowa, 1943  
 ROBERT GENE KIDD, B.S., M.S., 1952, 1958  
 BURTON LEONARD LEAVITT, A.B., Albion College, 1952; M.S., Hunter College of the City of New York, 1954  
 THOMAS EDWARD MCCLLOUD, B.S., Fort Valley State College, 1955; M.Mus.Ed., Vandercook College, 1962  
 KATHRYNE RUTH NISBET, B.S., M.S., Millikin University, 1952, 1957  
 JOHN EDWIN ROBERTSON, B.S., M.S., 1949, 1955  
 ERTHEL ELMO ROSE, A.B., Morehead State College, 1954; Ed.M., 1960  
 ALFRED JOSEPH SOMERS, B.S., M.S., Illinois State Normal University, 1957, 1958  
 CARL MULFORD TAUSIG, JR., Ph.B., University of Chicago, 1949; A.B., DePauw University, 1950; A.M., University of Chicago, 1954  
 ROLAND BERNARD WICKISER, B.Ed., M.S., Eastern Illinois University, 1943, 1955

*In Music Education*

- ALMA MARJORIE JONES SMITH, B.Mus., DePauw University, 1932; M.S., Eastern Illinois University, 1954

**Certificate of Advanced Study in Librarianship**

- ELDON CHARLES HART, A.B., Brigham Young University, 1938; B.S., A.M., 1939, 1940

**COLLEGE OF AGRICULTURE****Degree of Bachelor of Science***In Agriculture*

- |                          |                         |
|--------------------------|-------------------------|
| KENNETH DEAN BRAZLE      | WAYNE HOWARD OBERLE     |
| JEFFREY HAROLD GILLESPIE | DOYLING GENE PATTERSON  |
| JOSEPH EVERRETT HODGES   | JOHN MICHAEL PITZER     |
| JOHN THOMAS HOYME        | DWIGHT RUSSELL ROBINSON |
| WILFORD EUGENE LEASURE   | RICHARD LEE SCHULTZ     |
| DON HOWARD LIVINGSTON    | RODNEY CORDELL SMITH    |
| LARRY JAMES LOWE         | KENNETH CHARLES SPRATT  |
| JOHN RONALD MOULTON      |                         |

*In Food Technology*

- LARRY RALPH WANTLAND

*In Forestry*

- STEPHEN JOHN HANOVER

*In Home Economics*

- KAREN ETTA HOLZHAUSER

- MARY RAY MOSER

## COLLEGE OF ENGINEERING

## Degree of Bachelor of Science

*In Aeronautical and Astronautical Engineering*

KENNETH RICHARD CHERNIAWSKY  
 DARRELL WAYNE CUMMINGS  
 TED JOSEPH KUSNER  
 ERMEL JAMES McELWEE, JR.

MARSHALL DWAIN RICHARDSON  
 JOHN ARNOLD SEAVEY  
 RICHARD EDWIN SLOVACEK

*In Agricultural Engineering*

CHARLES WAYNE ANDERSON

DOYLE JULIAN HORTIN

*In Ceramic Engineering*

ORVILLE RAY PENROD

*In Civil Engineering*

KEITH PAUL FORTIN  
 JAMES ALBERT GOFF  
 KURT PETER HAMANN  
 ROBERT GERALD KRIMMEL  
 RICHARD JOSEPH MCPHERSON  
 DALE DEAN MEREDITH, Highest Honors  
 NARESHCHANDRA MAFATLAL MODI  
 DONALD DEAN OGLESBY

RONALD JAMES SABALLUS  
 ROBERT ROGER SHAFER  
 GUILLERMO MANUEL TORRES  
 JOSEPH GEORGE TSIVOLEDAKIS  
 WILLIAM GRANT WESTALL  
 GARY LEE WOOD  
 PATRICK JOSEPH YONIKAS  
 RICHARD M. ZARE

*In Electrical Engineering*

AMADO JULIO ACOSTA CASTRO  
 JAMES CHARLES AGUE  
 JOHN DANIEL AREND  
 SUHAS PRATAPRAO BAGWE  
 THOMAS WILLIAM DAHLGREN  
 NORMAN KIRK DORNSEIF, Honors  
 WILLIAM ARTHUR ESCHNER  
 GERALD FREDERICK FRANK, High Honors  
 LEO GEORGE GENSLER  
 GEORGE GOEBEL  
 RONALD CARL HALLENDORFF  
 MELVIN DALE HASSEBROCK  
 IVAN PAVLOV IVANOV  
 SAMUEL CHUNGSHU KUO  
 HARRY ROBERT LANE

VIRGIL GEORGE LEENERTS  
 EUGENE SCOTT LEHERISSEY  
 THOMAS RICHARD MIHM  
 CHARLES JEROME NIX  
 RICHARD WILLIAM RAYMOND  
 HENRY CARLTON ROWE  
 CARROLL ERNEST SCHEER  
 THOMAS WILBUR SIGBORN  
 THOMAS MICHAEL SMITH  
 LARRY ZANE SOGER  
 KENNETH AUSTIN THOMPSON  
 JAMES ROBERT VAN CLEAVE  
 DIETRICH VEDDER, Highest Honors  
 PAUL GLENNON WEINGAND, Honors  
 ROY EUGENE WHEELER, High Honors  
 THOMAS JAMES WOJCIC

*In Engineering Mechanics*

ALAN BRUCE WHITMAN, High Honors

*In General Engineering*

DONALD JOHN AKERS  
 NORMAN FRANK BOSEK  
 PHILIP ARTHUR DECKOWITZ  
 CHARLES RANDALL HINSON

WARREN ALFRED NIELSEN  
 PHILIP EDMOND O'DONNELL  
 THOMAS WILLIAM OSIKA

*In Industrial Engineering*

ROBERT RUEBEN GERSHON  
 PAUL DEAN GOODWIN

JOSEPH THOMAS KOWALSKI  
 CURTIS BRADLEY VEVANG

*In Mechanical Engineering*

RICHARD BRUNO ADAMS  
 ALBERTO BUESO-TAQUECHEL  
 THOMAS CHEW  
 HARRY GRANT CLARK  
 LEONARD RAY CUTLER  
 JOHN MICHAEL DEANO  
 KENNETH THOMAS HONSIK  
 RAYMOND KENNETH JURVICH

ROBERT JOSEPH KRANE  
 HYACINTH OHAKWE OHAYA  
 MICHAEL CRAIGE PINNEY  
 LOUIS WILLIAM SANDOW  
 ROBERT LEE SHELBY  
 DONALD FREDERICK SPURLING, Honors  
 ROBERT HENRY VANDERMOLLEN  
 SHERRILL LEE WOHLWEND

*In Metallurgical Engineering*

RALPH ALLEN MENDELSON

ANTHONY CHARLES SCHAFFHAUSER

**COLLEGE OF LIBERAL ARTS AND SCIENCES****Degree of Bachelor of Arts***In Liberal Arts and Sciences*

JOHN RICHARD ALLISON  
 JANE ELLEN ANDERSON  
 GEORGE EDWARD BEHR  
 THOMAS JOHN BENDA  
 HELENE FAITH BERNICK  
 MARIAM WEED BETHEL  
 FREDERICK LEE BLANFORD  
 HERMAN BRANDAU  
 ARNOLD DAVID BREYER  
 ROBERT LAURENCE BUCK  
 ANTHONY ROLAND BURRELL  
 ERIKA ROTT DILLON  
 PAUL RADKOFF EK  
 THOMAS PAUL FARR  
 JACK ALLEN FISH  
 ARLEEN ELYNNE FREEMAN, Honors in  
 Liberal Arts and Sciences  
 LIANE JUDITH FRETZIN  
 BARRY BRUCE GLASHAGEL  
 LARRY ALLEN GUERRERO  
 WALTER DAVID GULLER  
 WILLIAM EDWARD MICHAEL  
 HACKLEMAN  
 DAVID MAMORU HAYANO  
 MICHAEL LOUIS HOCHBERG  
 GUNTHER JOHANN HOLST, Honors in  
 Liberal Arts and Sciences with  
 High Distinction in German  
 MARGIE ANN HUMM  
 DAVID JEROME JACKSON, Honors in  
 Liberal Arts and Sciences with  
 High Distinction in Philosophy  
 GERARD ALAIN JODON DE VILLEROCHÉ  
 VIRGINIA LEE JONES

MARY ELLEN KASTEN  
 CAROL JEAN KOPAY  
 KARLYNN RUTH LANGE  
 FREDERICK DAUGHERTY LITVIN  
 VICTOR THOMAS LUKAS  
 MARILYN ANN METHENY  
 ALAN LeROY METZ  
 MAIJA DUMPIS MICHEJDA, Honors in  
 Liberal Arts and Sciences  
 SYDNEY JOEL MISHKUTZ  
 MARY FRANCES MULLANE  
 GERALDINE SHARPE NEWTON  
 CHARLES ORLOFF  
 IZIDA VIKTORIJA PETRAVICIUS  
 THEODORE EUGENE PLUCINSKI, Honors  
 in Liberal Arts and Sciences with  
 Distinction in Zoology  
 STEVEN EARL PRICE  
 MELINDA DALE RUTHERFORD  
 PATRICIA LEONA SABAL  
 NANCY DAYTON SIDHU  
 MICHAEL ALLAN SILVERTON  
 SHIRLEY MAE SIMS  
 MARGOT STERN  
 ROGER FRANKLIN STEVENSON  
 ALLAN JAY WALLACE  
 LESLIE RAE WENKER  
 BLAIR WHITNEY, Honors in Liberal  
 Arts and Sciences with High Dis-  
 tinction in English  
 GARY SHERWIN WILD  
 MARTHA JEAN WOLLENWEBER  
 ANNE LEARMONTH YOUNG

*In the Teaching of Social Studies*

MARY JUDITH HACKMAN, Honors in  
 Liberal Arts and Sciences

STEPHEN STANLEY HODYKE  
 MARION BETH STAFFORD

**Degree of Bachelor of Science***In Chemical Engineering*

DANIEL PAUL HEDDEN, Honors in  
 Liberal Arts and Sciences  
 RANDY LEE STOTLER  
 ANTONIO VIDAL LAMILLA, Honors in  
 Liberal Arts and Sciences with  
 High Distinction in the Curriculum

JIH HSIN YANG

*In Chemistry*

ARTHUR EDWARD HELD, Honors in  
 Liberal Arts and Sciences  
 LLOYD MARTIN HOLM, Honors in Lib-  
 eral Arts and Sciences with High  
 Distinction in the Curriculum

STEPHEN ARTHUR YOUNG, Honors in  
 Liberal Arts and Sciences

*In Liberal Arts and Sciences*

LUIS MARIANO ALBERT  
 JOHN ROBERT ANTOSIAK  
 CAROL PERNEL BECKER, Honors in  
 Liberal Arts and Sciences  
 STEPHEN ARNOLD BLISCHKE  
 RICHARD WILLIAM BOEVING  
 BOB ELLIOT BOGOLUB, Honors in  
 Liberal Arts and Sciences  
 ROBERT LOUIS BRAUN  
 GERALD ANTHONY CARAVELLI  
 DAVID CHANG  
 RICHARD LAURENCE COEN  
 JON WILLIS CULTON  
 DARVIN DALE DRENKHahn  
 WILLIAM LESTER ETHERIDGE  
 KENNETH BARRY FINE, Honors in Lib-  
 eral Arts and Sciences with High-  
 est Distinction in Mathematics  
 EDWIN ALBERT FISCHER  
 EDWARD JEROME GALLAGHER  
 DAVID MICHAEL GRAHAM  
 OMAR SULIEMAN HAMMUDA  
 PHILLIP CLARENCE HEEMSTRA

KENNETH ROBERT HEINEMAN  
 MORTON JAY KANTER, Honors in  
 Liberal Arts and Sciences  
 THEODORE JOHN KAYE  
 JUDITH KAY KRAMZAR  
 ROGER JOSEPH LEDERER, Honors in  
 Liberal Arts and Sciences  
 RONALD LEIGH LUKEN  
 WALTER CLARENCE LYNCE, Honors in  
 Liberal Arts and Sciences with  
 Highest Distinction in Mathematics  
 ROBERT NIMROD MINER  
 VICTOR JOSEPH PELLEGRINI, Honors in  
 Liberal Arts and Sciences with  
 Highest Distinction in Mathematics  
 JAY RAYMOND POWELL  
 LESTER THEODORE RICHTER, JR.  
 JOHN PHILLIP RUYLS  
 PAUL FRANKLIN SANFORD, Honors in  
 Liberal Arts and Sciences  
 RONALD DAVID STANGE  
 ELAINE BEVERLY TROUSIL  
 ELMER LEE TYREY

*In the Teaching of the Biological Sciences and General Science*

BONNIE ADRIENNE LAU

HELEN SUE SPEISER

*In the Teaching of Mathematics*

PEARL LYDINE HANNULA, Honors in  
 Liberal Arts and Sciences with  
 High Distinction in the Curriculum  
 CLAUDE RICHARD KRAMER, Honors in  
 Liberal Arts and Sciences with  
 High Distinction in the Curriculum

STANLEY JAMES SCHAUENBURG  
 ELEANOR ANN SWIFT

## COLLEGE OF LAW

## Degree of Bachelor of Laws

VERNON DALE ASHMORE, A.B., South-  
 ern Illinois University, 1959  
 ROBERT ALAN HAYES, B.S., 1961  
 JOHN ELI JUERGENSEMEYER, A.B., 1955;  
 A.M., Ph.D., Princeton University,  
 1957, 1960  
 PAUL JOSEPH KNAPP, A.B., 1961  
 LAWRENCE HERMAN LIBERMAN, B.S.,  
 1960  
 CRAIG EUGENE MCGUIRE, B.S., 1962  
 RICHARD EDWIN O'LEARY, A.B., 1955

PAUL LESLIE PRATT, A.B., Illinois  
 College, 1962  
 NOLAN KENT SIMS, B.S., Eastern  
 Illinois University, 1960  
 WILLIAM VAN HORN SMITH, A.B., 1961  
 WALTER ROBERT STEWART, A.B.,  
 University of Maryland, 1959  
 SALVATORE ROSARIO STRAZZANTE, A.B.,  
 1962  
 HARRY JOHN WESTFALL, A.B., 1960  
 LEO WOTAN, JR., B.S., 1960

## COLLEGE OF EDUCATION

## Degree of Bachelor of Science

*In Education*

GLENN DEE BATEMAN  
 BABETTE SPRAGG DICKELMAN  
 ROGER ALLYN FOX

FABIO RESTREPO LOPEZ  
 GERALD FRANCIS SMITH  
 SUSAN RANDALL VAUGHN

*In Elementary Education*

WANDA WELLS BRODIE, High Honors  
 MARY KENNEDY BROWN

VELMA DELOIS BROWN  
 ALMA CRUSE BRUHN

CAROL LAWRENCE CLAPPER  
LOUISE HIGGINS CLEVELAND  
JAMES HARLYN ELLIS  
GITA WARSHAWSKY FISHER  
IDABELLE FULTON  
EDNA JACKSON HORNE  
MILDRED ANN LANGFORD  
JOLENE MARY MARCACCI  
MARGUERITE ANDREWS McDANIEL  
MARILYN NICCUM McDEVITT

JANICE SUE MEIZLESH  
CHARLES LEONARD MONTGOMERY  
ELLEN DUGAN PASCUCCI  
MARCIA BROWN PULLIN, Honors  
ROSE ANN SARGINSON  
JUDITH ANN SCHAFFENACKER  
PATRICIA KOLAR SCHMIDT  
JANET MARY STUMPF  
JOYCE MARGARET STUMPF  
PHYLLIS WIEST THOMPSON, Honors

*In the Education of Mentally Handicapped Children*

BONNIE SUE CAMPBELL

SHIRLEY ANN JENKS

**COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION**

**Degree of Bachelor of Science**

*In Accountancy*

WILLIAM LEE BAUER  
WILLIAM RICHARDS CASH  
DONALD LEROY DEAN  
DENNIS MICHAEL DEEMO  
GLENN WILLIAM DODD  
ROY ROBERT DUSSELL  
CHARLES MARIUS MASSETT  
PAUL JOHN MEGINNIS II  
RONALD LEE MEITZLER

MICHAEL MORGAN OCHSENSCHLAGER  
FREDERICK JOSEPH SULICH  
JAMES BERNARD SZALCZYNSKI  
LARRY DEAN TAYLOR  
DONALD EUGENE VAGNER  
RAYMOND JOSEPH VILUTIS  
MELVIN ROBERT WALDMAN  
MARION CHARLES WALTON

*In Commercial Teaching*

JEANNE LILLIAN EHLERS

JANICE KAY KESSLER

*In Economics*

DONALD BLAIR BROWN  
DAVID WILLIAM GAFFRON  
CHARLES CURTISS KAUFMAN

JACK EDWARD LUNDY  
RAYMOND FRANK WHITNEY

*In Finance*

KENNETH JOSEPH BOKOR  
CLINTON EUGENE BRALY  
WILLIAM ALAN FOISY  
DELBERT LEE KYGER

RICHARD PAUL MOCHEL  
LAWRENCE ABBOTT MYERS  
STEPHEN REYNOLDS YOST

*In Industrial Administration*

JOSEPH CHARLES STRANCE

*In Management*

DANIEL ANTHONY ANGELUS  
DENNIS JOSEPH GREEN  
DAVID LAWRENCE GURCZEWSKI

MERLE GENE HURELBRINK  
ROBERT HENRY OSTERMAN  
STANLEY THOMAS RIPSKE

*In Marketing*

ROBERT LEONARD BARTZ  
ROBERT WADE BLAESING  
WILLIAM EDMUNDS BUGG  
ELAINE ALICE COORENS  
STANLEY PAUL COPELAND  
RICHARD REX FISHER  
WILLIAM ERVING GEEVER  
JOHN GOLDE  
BARRY LEE GORDON

JOYCE ANN HITES  
WARD SEYFARTH JOHNSON  
HARVEY ALAN LEVA  
CLYDE RICHARD LORTZ  
KAREN SUE OLSON  
ANTONIA RISK  
JOHN GERALD RUBLE  
GARY ARTHUR SNELL  
ROBERT JOHN ZAWACKE

**COLLEGE OF JOURNALISM AND COMMUNICATIONS**

**Degree of Bachelor of Science**

*In Communications*

LINNEA JO ASPLIND  
PAUL MILTON DAVIS

ROGER VON DELLINGER  
PAUL MAZMANIAN

JOAN LORRAINE KOZA  
HERBERT LYLE ROSS

GARY KENNETH WOLF

### COLLEGE OF FINE AND APPLIED ARTS

#### Degree of Bachelor of Architecture

RAYMOND MAURICE BROADY  
LIDA BUDKO  
JOHN HARRY LARSON  
ALBERT MAURYCY MICHEJDA  
JERRY DEE MOORE

GEORGE MOY  
RONALD MAYER SPIEGEL  
AUGUST PETER WISNOSKY, JR.

#### Degree of Bachelor of Fine Arts

##### *In Advertising Design*

EUGENE RICHARD FOWLER

##### *In Art Education*

NANCY TRACY B. CROCKETT  
DEBORAH ADAMS DAVIS

ELINOR ANN NIELSEN, High Honors

##### *In Industrial Design*

JAMES GILBERT HANSEN  
JERRY ALAN NICHOLS

CHARLES LATIMER WERLY

##### *In Painting*

LORNA JANE BELL

MARY MARGARET PARKER, Honors

#### Degree of Bachelor of Music

AMARYLLIS ANNE FLETCHER, Highest  
Honors  
BRENDA BROWN MCNEILAND, Highest  
Honors

SUSAN STAUNTON WHALEY, High  
Honors

#### Degree of Bachelor of Science

##### *In City Planning*

ARNOLD ELMER GASSMAN

##### *In Music Education*

JOANNE CRAPUCHETTES BARTEL

JANET WARNER HOGEN

### COLLEGE OF PHYSICAL EDUCATION

#### Degree of Bachelor of Science

##### *In Physical Education*

PHILLIP ERSKINE JONES

##### *In Recreation*

PHYLLIS SUSAN COHEN  
JAMES EDWARD HOHM

LINDA SUE TOWNER

#### FUTURE BOARD MEETINGS

The Board has previously voted to change the date of the regular October meeting from the third Wednesday to Saturday, October 26, to be held in Urbana, according to a schedule to be arranged by the President and the Secretary.

On motion of Mr. Johnston, the Board voted to change the date of the November meeting from the third Wednesday to Saturday, November 23, according to a schedule to be arranged by the President and the Secretary.

At this point, Mr. Williamson asked to be excused from the meeting.

#### ASSOCIATION OF GOVERNING BOARDS

Mrs. Watkins reminded the Trustees that the annual meeting of the Association of Governing Boards of State Universities and Allied Institutions will be held at Pennsylvania State University, October 14 to 18, 1963. She stated that she is planning to attend and asked that other Trustees plan to do so.

#### RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session had been requested, and was being ordered, for consideration of recommendations relating to property acquisitions and patentable inventions; and that this session would be held after a luncheon recess.

On motion of Mr. Swain, the Board recessed.

When the Board reconvened in executive session, the same members, officers of the Board, and officers of the University were present as recorded at the beginning of these minutes with the exception of Mr. Williamson, who joined the meeting later.

The Board proceeded to consider the following additional reports and recommendations from the President of the University.

#### PURCHASE OF PROPERTY AT 208 NORTH ROMINE STREET URBANA, ILLINOIS

(1) The Board of Trustees on April 17, 1963, authorized condemnation proceedings for acquisition of the property at 208 North Romine Street, Urbana, Illinois, required as part of the site for construction of the new Civil Engineering Building.

A price of \$29,000 has been agreed upon for the purchase of this property, which is \$250 above the amount authorized by the Committee on Buildings and Grounds but appears to be the lowest price for which the property can be acquired without condemnation proceedings and the resulting cost thereof.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of this purchase, and that the Board rescind its action of April 17, 1963, with respect to condemnation proceedings.

I concur.

On motion of Mr. Johnston, these recommendations were approved, viz: the purchase of this property, at the price indicated, was authorized; and the Board rescinded its resolution of April 17, 1963, authorizing the acquisition of the property through condemnation proceedings. These actions were taken by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner, Mr. Williamson.

#### ACQUISITION OF PROPERTY AT 1105 WEST SPRINGFIELD AVENUE. URBANA

(2) University representatives have been negotiating for the purchase of the property at 1105 West Springfield Avenue, Urbana, a lot 69 feet by 132 feet (9,108 square feet) with a two-story and basement frame house. The land is needed as part of the site for construction of the next unit of the Coordinated Science Laboratory.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$20,000, based on University appraisals, but the offer is not acceptable, and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of  
Property at 1105 West Springfield Avenue, Urbana**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot Four (4) in Block Five (5) and the West three (3) feet of Lot Five (5) in Block Five (5) of the Urbana Railroad Company Addition to the City of Urbana also called Urbana Railroad Addition to the Town now City of Urbana and all of the West One-half (W ½) except the East Thirty (30) feet thereof of Lot Five (5) in Block Five (5) of the Urbana Railroad Company Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois.

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for construction of the next unit of the Coordinated Science Laboratory, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use, that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefore determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf



of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefore, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner, Mr. Williamson.

On motion of Mrs. Watkins, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

#### MEETING OF THE EXECUTIVE COMMITTEE

Following adjournment of the Board, on call of the Chairman, the Executive Committee of the Board of Trustees of the University of Illinois met at the request of the President of the University to consider a special item of business which had been submitted to him too late for presentation to the full Board. The following, constituting all members of the Executive Committee, were present: Mr. Howard W. Clement, Chairman, Mr. Wayne A. Johnston, and Mrs. Frances B. Watkins. President David D. Henry and the other officers of the University were present, including, for the business of this meeting, Dean William L. Everitt of the College of Engineering, and Mr. John J. Desmond, Assistant Director of the Engineering Experiment Station.

#### THE MIDWEST ELECTRONICS RESEARCH CENTER

At the request of President Henry, Mr. Costello, Legal Counsel, presented the following report and recommendation:

On April 17, 1963, the Board of Trustees approved, in principle, the establishment of the Midwest Electronics Research Center and granted authority to negotiate contracts for the Visiting Industrial Associates Program under the Midwest Electronics Research Center. This action was subject to the approval of the State of Illinois Board of Higher Education which was subsequently granted on July 2, 1963.

Article 6 of an "Agreement for a Resident Program of Visiting Associates from Industry" contained the following language:

"All inventions, discoveries, and developments resulting from the work of the research program in which the Visiting Industrial Associate is participating, whether or not patentable, shall be and become the property of University; provided, however, that in the event the Visiting Industrial Associate is the inventor or co-inventor of such invention or inventions, Company shall be granted appropriate preferential treatment to be determined by University after taking into consideration the extent of the contribution of the Visiting Industrial Associate and to the extent permitted by contractual commitments by University to sponsors of the on-going research."

In negotiations with industry, it has been determined that this language is generally unacceptable and that a predetermination of "preferential treatment" is required as a part of the contract.

It has been determined that the following language would be more acceptable to industry; therefore, the Dean of the College of Engineering recommends that approval be given to this revision in the contract.

"All inventions, discoveries, and developments resulting from the work of the research program in which the Visiting Industrial Associate is participating,

whether or not patentable, shall be and become the property of University; provided, however, that in the event a Visiting Industrial Associate is the inventor or co-inventor of such invention or inventions, title shall vest in University and to the extent permitted by contractual commitments by University to sponsors of the on-going research, Company may retain a royalty free, non-exclusive license with the additional right to sub-license to a supplier or other company where the purpose of said sub-license is for the manufacturing or developing of products for the sole use of the Company. The right to sub-license for purposes other than the sole use of the Company requires advance request by Company and approval by University in writing."

All University officers concerned have been consulted and have approved, with Legal Counsel reserving the right to draft the precise language to be used.

President Henry stated that he concurs.

On motion of Mr. Johnston, this recommendation was approved.

The Executive Committee adjourned.

A. J. JANATA  
*Clerk*

WAYNE A. JOHNSTON  
FRANCES B. WATKINS  
HOWARD W. CLEMENT  
*Chairman*

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**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**October 26, 1963**



The October meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Saturday, October 26, 1963, beginning at 9:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner was absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. V. L. Kretschmer, Director of Auxiliary Services, Mr. Earl W. Porter, Assistant to the President, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant, Professor John E. Baerwald of the Department of Civil Engineering and University Traffic Engineer, Mr. Ambrose Richardson, Consulting Architect; and Mr. A. J. Janata, Secretary of the Board.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**

The Board took up consideration of the following reports and recommendations from the President of the University.

**PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

**AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
WILLIAM ANTHONY KANE	Palatine, Illinois	Montana
EUGENE FRANCIS MCALLISTER	Davenport, Iowa	Iowa
THOMAS JOSEPH SCHOPP	Ladue, Missouri	Missouri

On motion of Mr. Williamson, these certificates were awarded.

**ADVISORY COMMITTEE FOR INSTITUTE FOR RESEARCH  
ON EXCEPTIONAL CHILDREN**

(2) The Director of the Institute for Research on Exceptional Children recommends the following appointments to the Advisory Committee of the Institute for Research on Exceptional Children for terms as indicated, beginning September 1, 1963.

**Representatives of the University**

PROFESSOR RUPERT EVANS, Associate Dean, College of Education, two years

PROFESSOR LLOYD G. HUMPHREYS, Department of Psychology, three years (reappointment)

Professor Louis Schneider, Department of Sociology, is the other representative of the University. His term expires in 1964.

**Representatives of the Department of Mental Health  
and Children's Services**

DR. WILLIAM SLOAN, State Department of Mental Health, Springfield, three years

Dr. Donald Brieland, Director of Children's Services, is the other representative from the Department of Mental Health. His term expires in 1964.

**Representatives of the Department of Public Instruction**

DR. JOHN H. O'NEILL, Assistant Superintendent, State Department of Public Instruction, three years

MR. VERNON F. FRAZEE, Director, Division of Special Education, State Department of Public Instruction, two years

The Board of Trustees on July 16, 1952, approved the plan for the organization of the Institute which includes an Advisory Committee consisting of three representatives from the University, two from the Department of Public Welfare (now Department of Mental Health), and two from the Department of Public Instruction, each appointed for a three-year term.

The Dean of the College of Education and the Executive Vice-President and Provost endorse these nominations.

I recommend approval.

On motion of Mr. Williamson, these appointments were approved.

**APPOINTMENTS TO THE FACULTY**

(3) The following new appointments to the faculty of the rank of Assistant

Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. JUDITH AGASSI, Assistant Professor of Sociology, in the Division of General Studies, on two-thirds time, for one year from September 1, 1963, at a salary of \$5,000.
2. JEAN R. BOATRIGHT, Staff Physician, Health Center and McKinley Hospital, and Assistant Professor of Hygiene, beginning September 16, 1963, at an annual salary of \$17,000.
3. LOUIS D. BOSNES, Clinical Associate Professor of Neurology, in the Department of Neurology and Neurological Surgery, on one-fourth time, beginning September 1, 1963, at an annual salary of \$3,000.
4. TELL ERTL, Visiting Professor of Mining Engineering, for four and one-half months from February 1, 1964, at a salary of \$7,200.
5. JANE FARLEY, Clinical Assistant Professor of Psychology, in the Department of Psychiatry, College of Medicine, beginning September 1, 1963, without salary.
6. HAROLD FEINBERG, Associate Professor of Pharmacology, College of Medicine, on one-tenth time, beginning September 1, 1963, at an annual salary of \$1,200.
7. JOHN C. FRYE, Professor of Geology, beginning September 1, 1963, without salary.
8. ROBERT W. GLENN, Staff Physician, Health Center and McKinley Hospital, and Assistant Professor of Hygiene, beginning September 16, 1963, at an annual salary of \$14,000.
9. ARNOLD W. GUESS, Assistant Professor of Astronomy, beginning September 1, 1963, at an annual salary of \$9,000.
10. SHEPPARD G. KELLAM, Assistant Professor of Psychiatry, College of Medicine, beginning September 1, 1963, without salary.
11. CALVIN A. KUENZEL, Visiting Associate Professor of Law, for four and one-half months from February 1, 1964, at a salary of \$6,500.
12. HAROLD H. NIEBEL, Clinical Associate Professor of Oral Pathology, College of Dentistry, beginning September 1, 1963, without salary.
13. JEANETTE SCHULZ, Clinical Associate Professor of Pediatrics, College of Medicine, beginning September 1, 1963, without salary.
14. ADOLFS SPRUDZS, Law Library Assistant with rank of Assistant Professor, beginning October 1, 1963, at an annual salary of \$8,200.
15. ROBERT E. STAKE, Associate Professor of Educational Psychology and Associate Director of the Office of Educational Testing, College of Education, beginning September 1, 1963, at an annual salary of \$13,500.

On motion of Mr. Dilliard, these appointments were confirmed.

#### CHAIRMANSHIP OF THE DEPARTMENT OF ART AT THE CHICAGO UNDERGRADUATE DIVISION

(4) The members of the faculty of professorial rank in the Department of Art at the Chicago Undergraduate Division have voted to recommend a change in the form of the organization of the Department from one organized with a head to one organized with a chairman. The Dean of the College of Architecture and Art and the Vice-President for the Chicago Undergraduate Division have approved this recommendation.

The Dean and the Vice-President also recommend the appointment of Professor John E. Walley, who has been serving as Acting Head of the Department for the past year, as Professor of Art on indefinite tenure, and Chairman of the Department of Art at the Chicago Undergraduate Division for two years from September 1, 1963. No change in salary is involved. This appointment is recommended after consultation with the appropriate members of the faculty of the Department of Art, and is concurred in by the Executive Vice-President and Provost, and the Acting Dean of the Graduate College.

I concur in the above recommendations.

On motion of Mrs. Watkins, these recommendations were approved.

#### DEPARTMENT OF GERMANIC LANGUAGES AND LITERATURES

(5) The faculty of the Department of German has requested that its name be

officially changed to "Department of Germanic Languages and Literatures," which more clearly describes its operations, for it teaches Gothic and Old Icelandic as well as German with its older forms (Old and Middle High German) and offers courses in modern Scandinavian literature. The recommendation is concurred in by the Executive Committee of the College of Liberal Arts and Sciences and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Swain, this recommendation was approved.

#### RESIGNATION OF DEAN J. W. PELTASON

(6) I report the resignation of Dean J. W. Peltason of the College of Liberal Arts and Sciences and Professor of Political Science, effective July 1, 1964. Dean Peltason has accepted the Deanship of the College of Arts, Letters, and Sciences at the University of California at Irvine.

This report was received for record.

#### APPROPRIATION BY THE ATHLETIC ASSOCIATION

(7) The Board of Directors of the Athletic Association of the University of Illinois has approved an assignment of \$6,000 from surplus funds of the Association for the expenses of the University of Illinois football band to Madison, Wisconsin, November 15-16, 1963.

Confirmation of this action is requested.

On motion of Mr. Swain, this assignment of funds was confirmed.

#### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(8) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations and assignments of funds from the University General Reserve:

##### *Urbana-Champaign*

##### Physical Plant Department

Remodeling of the building at 1308 West Springfield Avenue for use as office space by the Digital Computer Laboratory.....\$ 3 460 00

Remodeling to provide adequate space for a new program in plant physiology research:

Room 107, Vegetable Crops Building..... 11 630 00

Room 204, Floriculture Building..... 16 740 00

Remodeling in the Administration Building and in the Illini Union to provide office quarters for relocation of personnel in the President's and Provost's Office, and for relocation of the Board of Trustees Office; and moving of equipment..... 5 865 00

*Total*.....\$37 695 00

I concur.

On motion of Mr. Johnston, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### EMPLOYMENT OF ARCHITECTS AND ENGINEERS

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of the following architectural and engineering firms for the services and on the terms as indicated below.

##### Projects at Urbana-Champaign

<i>Project</i>	<i>Firm</i>	<i>Fee</i>
Steam and electric distribution system extension	Sargent and Lundy, Chicago	Same as present Sargent and Lundy contract

(The present Sargent and Lundy fee is based on a current expense charge for engineering and drafting at actual salaries and wages, plus 50 per cent of the

stenographic and clerical services and travel expenses and miscellaneous expenses at actual cost and a fixed fee charge of 1½ per cent of the mutually agreed estimate of the cost of the project to completion exclusive of charges included above and the University's engineering supervisory and overhead costs. If a resident field engineer is requested, the service will be billed at actual salary plus 15 per cent, plus traveling and field expenses.)

<i>Project</i>	<i>Firm</i>	<i>Fee</i>
Storm and water main extension to serve Civil Engineering Building and East Chemistry Building Addition	Wilson and Anderson, Urbana	Schedule A of minimum fees of Illinois Society of Professional Engineers
Remodeling food service areas in Illini Union Building	Fred Schmid Associates, Chicago	\$15 per hour of professional employees plus out of pocket expenses
Air-conditioning study for Urbana campus	Sargent and Lundy, Chicago	Salaries of engineers plus 100 per cent for overhead and commission; plus clerical services and other expense to be billed at actual cost

#### Projects at the Medical Center, Chicago

Remodeling in the Dentistry-Medicine-Pharmacy Building	Richardson, Severns, Scheeler, and Associates, Champaign	Salaries of engineers plus 100 per cent for overhead and commission; but not to exceed \$47,000
Remodeling in the Hospital	Fugard, Burt, Wilkinson, and Orth, Chicago	Salaries of architects, plus 100 per cent for overhead and commission, but not to exceed \$43,000

Funds for all the projects except the Illini Union are available in state capital appropriations. Funds are available from the proceeds of the revenue bond issue for the Illini Union Services.

The Advisory Committee on the Selection of Architects and Engineers and the Committee on Buildings and Grounds have previously considered these recommendations and concur.

I concur.

On motion of Mr. Williamson, these recommendations were approved.

#### CONTRACTS FOR CONSTRUCTION OF ADDITION TO EAST CHEMISTRY BUILDING

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of the first addition to the East Chemistry Building, the award in each case being to the lowest acceptable bidder:

General—Kuhne-Simmons Company, Inc., Champaign.....	\$2 224 160
Base bid .....	\$2 219 000
Additive alternates for	
Service charge for assignment of other contracts to the general contractor.....	69 000
Installation of underground condenser water tank...	2 300
Deductive alternates for	
Substituting the Mills Company partitions for those specified .....	— 45 290
Eliminating factory glazing on windows.....	— 7 400
Substituting kitchen unit for kitchenette.....	— 650



Substituting ceramic tile for structural glazed tile..	—	9 800
Substituting Wood Conversion Company acoustical tile .....	—	3 000
Elevator—Westinghouse Electric Corporation Elevator Division, Chicago.....		124 856
Plumbing—Reliable Plumbing and Heating Company, Champaign....		505 590
Base bid .....	\$	449 890
Additive alternate for replacing 8 inch sanitary sewer in California Avenue .....		6 000
Deductive alternate for substituting kitchen unit for kitchenette .....	—	300
Heating, Piping, Refrigeration, and Automatic Temperature Control — Healy Plumbing and Heating Company, St. Paul, Minnesota....		652 770
Base bid .....	\$	627 800
Additive alternates for		
Installation of underground condenser water storage tank .....		11 700
Installation of liquid nitrogen line.....		12 200
Substituting plastic pipe for tin lined pipe.....		970
Change pipe and valves from brass to tin lined brass .....		100
Ventilation and Distribution Systems for Conditioned Air—R. H. Bishop Company, Champaign.....		297 442
Pipe Covering and Insulation—Mechanical Insulation Company, Inc., Kewanee .....		141 250
Electrical—William H. Brunkow, doing business as Brunkow Electric Company, Champaign.....		458 970
Base bid .....	\$	459 000
Deductive alternate for substituting kitchen unit for kitchenette .....	—	30
Laboratory Equipment—E. H. Sheldon Equipment Company, Muskegon, Michigan .....		964 064
Base bid .....	\$	1 207 000
Deductive alternates for		
Substituting Isoshel bench tops.....	—	58 000
Substituting Colorlith for Colorseran on inner fume hood surfaces .....	—	33 936
Substituting fume hoods manufactured by E. H. Sheldon Equipment Company.....		151 000
<b>Total.....</b>		<b>\$5 369 102</b>

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract \$5,369,102; and it is further recommended that an agreement be entered into with Kuhne-Simmons Company, Inc., Champaign, for the assignment of these other contracts for \$69,000 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available from the state capital appropriations to the University from the University's Building Fund, subject to release, and from a grant of \$1,600,000 from the National Science Foundation and a grant of \$750,000 from the National Institutes of Health.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of all bids received, copies of which are being filed with the Secretary of the Board for record.

I recommend the awards of contracts, as indicated, subject to the release of the state funds.

On motion of Mr. Hughes, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONTRACTS FOR CONSTRUCTION OF MATERIALS  
RESEARCH LABORATORY, PHASE II**

(11) Submitted herewith is a report from the Physical Plant Department on the construction of the Materials Research Laboratory, Phase II, including a schedule of the bids received, a copy of which is filed with the Secretary of the Board for record.

The First National Bank of Chicago has agreed to loan the University of Illinois Foundation \$4,500,000 at 2½ per cent interest over a twelve-year period to finance that portion of the total cost which will be repaid by the Atomic Energy Commission and Advanced Research Projects Agency. The total cost of the building, including architectural costs and Phase I of the construction previously approved by the Board, is estimated at \$4,750,000. The Vice-President and Comptroller and the Executive Vice-President and Provost recommend that \$250,000 of the costs for Phase I and architectural services, temporarily financed from indirect costs, be provided from funds which are available in state capital appropriations.

The Vice-President and Comptroller also recommends that the construction bids be assigned to the University of Illinois Foundation, that the site be leased to the Foundation for a period of thirty years, that the Foundation be requested to borrow funds for construction from the First National Bank of Chicago, and lease the property back to the University for biennial periods at rental sufficient to cover interest, principal, and other costs to the Foundation.

I concur and recommend adoption of the following resolution:

**Resolution for Materials Research Laboratory, Phase II**

*Be It, and It Hereby Is, Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this public corporation be, and they hereby are, authorized for and in the name of, and on behalf of, this public corporation:

(1) to sign, execute, and deliver an agreement with and to University of Illinois Foundation, a not for profit corporation of the State of Illinois, hereinafter referred to as "Foundation," which agreement shall provide that this public corporation will lease certain hereinafter described property owned by it in Urbana, Illinois, to Foundation; that Foundation will borrow money for the purpose of constructing, and will construct, on said property a building and facilities for use as a Materials Research Laboratory; that Foundation will sublease said premises, including the building and facilities thereon, to this public corporation at a rental sufficient to pay Foundation's indebtedness incurred in connection with the construction and equipping of said building and facilities; and that upon completion of the repayment of said indebtedness from said rentals title to said property, including all improvements and facilities thereon, shall be vested in this public corporation;

(2) to enter into a lease with Foundation providing for the leasing by this public corporation to Foundation of the following described property, viz:

"Situated in the State of Illinois, the County of Champaign, the City of Urbana and being a part of the N½ of the NE¼ NE¼ of Section 18 Township 19 North and Range 9 East of the Third Principal Meridian and being more fully bounded and described as follows:

Beginning at a corner of the East property line of Goodwin Avenue in said City of Urbana, said corner being 301.31 feet distant South of and 1236.9 feet distant west of the N.E. corner of said Section 18, and being marked with an iron pipe monument; thence Easterly along a line perpendicular to the East property line of said Goodwin Avenue a distance of 372.12 feet to a corner, said corner being marked with an iron pipe monument; thence Southerly along a line parallel to the East property line of said Goodwin Avenue a distance of 278.0 feet to a corner, said corner being marked with an iron pipe monument; thence Westerly along a line perpendicular to the East property line of said Goodwin Avenue a distance of 372.12 feet to a corner on the East property line of said Goodwin Avenue, said corner being marked with an iron pipe monument; thence Northerly along the East property line of said Goodwin Avenue, a distance of 278.0 feet to the place of

beginning, and being further described as the South 35.69' of the East 56.0' of Lot 1, the South 35.69' of Lots 2, 3, 4, and 5, and the South 35.69' of the West 52.12' of Lot 6, all in Block 6 of the Urbana Rail Road Addition to the City of Urbana; and the West 184.12' of Lot 2, the East 188.0' of Lots 3 and 4, the North 62.81' of the East 142.0' of Lot 5, the North 62.81' of Lot 6, the North 62.81' of the West 78.12' of Lot 7, all in W. M. Goodwin's Addition to the City of Urbana; containing 2.375 acres, more or less."

for a term of, thirty years commencing on the first day of November A.D. 1963 and extending to and including the 31st day of October A.D. 1993, or until the indebtedness incurred by Foundation in connection with the construction and equipping of said building and facilities has been paid and liquidated, whichever shall first occur; in consideration of Foundation's constructing thereon a building and facilities for use as a Materials Research Laboratory pursuant to plans and specifications therefor as now on file in the office of the University Architect of this public corporation and for which bids have been received as hereinafter set forth, and in consideration of Foundation's reimbursing this public corporation for architectural and engineering fees incurred in connection with said construction and the plans and specifications therefor, and in consideration of Foundation's subleasing said premises and the building and facilities thereon to this public corporation upon the terms and conditions hereinafter set forth; and providing further that in the event this public corporation should become in default under the terms of said sublease or fail to exercise any option for renewal of the term of said sublease under the terms and conditions therein set forth that thereupon Foundation shall have the full and unrestricted right to the use and possession of said premises and the building and facilities thereon for the remainder of the original term of said lease and the right to assign said lease or sublet said premises with the building and facilities thereon to others for the remainder of the original thirty year term of said lease;

(3) to enter into a sublease agreement with Foundation when the construction of said building and facilities has been completed, providing for the subleasing by Foundation to this public corporation of said premises including the building and facilities thereon, under which sublease this public corporation will agree to pay a rental sufficient to meet all current installment payments becoming due and required to be paid by Foundation during the term of said sublease on Foundation's indebtedness incurred in connection with the construction of said building and facilities; said sublease to run from the date of the closing of Foundation's permanent loan secured for the financing of said improvements and extend to June 30 of the first subsequent odd-numbered year thereafter, and which permanent loan it is contemplated will be repayable in forty quarterly installments of approximately One Hundred Twelve Thousand Five Hundred Dollars (\$112,500) each with interest at an effective net interest rate of 2½ per cent due each quarter on the unpaid balance; and which sublease shall contain options giving to this public corporation the right to renew said sublease for successive two year periods from July 1 of each odd-numbered year to June 30 of the next succeeding odd-numbered year by giving written notice to Foundation between the first and fifteenth day of July in each year when such renewal is to be made, until said sublease is finally terminated by the payment and liquidation of the above mentioned indebtedness;

(4) to commit this public corporation to act as agent for Foundation in the supervision of construction and administration of contracts therefor and change orders thereto, and the administration and service of said indebtedness, and in making payments of and disbursements from and of funds made available by the creditor of Foundation for the purpose of said construction and acquisition of facilities; and

(5) to sign, execute, acknowledge, and deliver any and all other documents and instruments deemed necessary or desirable by said Comptroller and said Secretary to accomplish the purpose herein set forth.

*Be It, and It Hereby Is, Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the bids received on September 24 and October 1, 1963, for the construction of Materials Research Laboratory, Phase II, and all rights thereunder, including but not limited to, the right to contract with the bidder, a copy of a schedule of which bids has been filed with the Secretary of this Board of

Trustees for record, be and they hereby are, assigned to Foundation; and this Board of Trustees recommends to the Board of Directors of University of Illinois Foundation that contracts for construction of Materials Research Laboratory, Phase II, be awarded by Foundation as follows:

General—Johnson, Drake, and Piper, Incorporated, Terre

Haute, Indiana

Base bid ..... \$2 236 00

Additive alternate for service charge for assignment  
of other contracts to the general contractor..... 60 000

Deductive alternate for omitting panels and steel mem-  
bers in back of precast grills..... -2 500

\$2 293 500

Plumbing—The Economy Plumbing and Heating Company, Inc.,  
Skokie.....

337 777

Heating, Process Piping, Refrigeration and Pneumatic Tube—Borg,  
Inc., Chicago, based on York absorption machine.....

381 000

Ventilating—The Robert Irsay Company, Skokie.....

346 853

Pipe Covering and Insulation—Culberg Asbestos and Cork Com-  
pany, Chicago.....

83 450

Temperature Control—The Johnson Service Company, Urbana

Base bid ..... \$ 57 425

Additive alternate for central control panel..... 27 400

84 825

Electrical—G. L. Wilsky, an individual doing business as

Downtown Electric, Urbana

Base bid ..... \$ 428 325

Additive alternate for master air conditioner control  
panel..... 100

Deductive alternate for omitting telephone trough..... -7 200

421 225

Laboratory Equipment—The Walrus Manufacturing Company,  
Decatur.....

75 400

Fume Hoods—The Laboratory Furniture Company, Mineola, New  
York.....

44 200

Elevators and Elevator Equipment—The Otis Elevator Company,  
Chicago.....

54 908

\$4 123 138

This Board of Trustees further recommends to the Board of Directors of University of Illinois Foundation that all contracts other than the contract for general work be assigned to the contractor for general work, making a total for such contract a price of \$4,123,138, and that an agreement be entered into by Foundation with Johnson, Drake, and Piper, Incorporated, for the assignment of these other contracts, for \$60,000, which amount is included in the aforesaid contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

On motion of Mrs. Watkins, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### CONTRACT FOR CONSTRUCTION OF 100-FOOT ANTENNA RESEARCH TOWER

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$26,980, to English Brothers Company, Champaign, the amount of their base bid and a deductive alternate substituting Douglas fir for yellow pine for construction of a 100-foot Antenna Research Tower south of Bondville, Illinois, for the Department of Electrical Engineering, subject to completion of acquisition of title to the land required.

Funds are available from a research contract with the United States Navy.  
I concur.

On motion of Mr. Swain, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### CONTRACT FOR CONSTRUCTION OF ANTENNA MODEL PATTERN RANGE

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of an antenna model pattern range to be constructed south of Bondville, Illinois, for the Department of Electrical Engineering, the award in each case being to the lowest bidder, subject to completion of acquisition of title to the land required.

General—Lynne Meyer, doing business as Lynne Meyer Company,  
Champaign ..... \$29 830 00  
Electrical—Potter Electric Service, Inc., Urbana..... 4 737 00  
Plumbing—Willis H. Thomas and Wren C. Thomas, doing business  
as Thomas Plumbing and Heating Company, Urbana..... 2 175 00  
Funds are available from a research contract with the United States Navy.  
I concur.

On motion of Mr. Swain, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### WATER RESOURCES CENTER

(14) The Acting Dean of the Graduate College recommends that a Water Resources Center be established at the University of Illinois and that it be administered by the Graduate College. The Executive Vice-President and Provost concurs in this recommendation.

The Center will encourage and coordinate university-wide planning and implementation of interdisciplinary programs for research and graduate education in water resources. The interests of the Center will encompass current and future programs of water resources within the various academic departments of the University and cooperating agencies, including the State Water Survey and the other state surveys. The administration of water resources programs will continue to be the responsibility of the academic departments and cooperating agencies.

The Center will administer funds assigned or granted to it. It will review proposals and allocate such funds to the cooperating departments and agencies for the development of programs on water resources. As a unit of the Graduate College, the Center will review grant proposals made to outside agencies or to University sources for the support of water resources programs and will recommend appropriate action on such proposals. Finally, for purposes of information, coordination, and referral, the Center will maintain a current file of all water resources programs of the University and the cooperating agencies.

The Center will be administered by an Executive Committee through a Director. The Dean of the Graduate College will appoint the members of the Executive Committee, which consists of the Directors of the Agricultural and the Engineering Experiment Stations, a representative of the College of Liberal Arts and Sciences, and two members representing other participating units and agencies. The Dean of the Graduate College, with the advice of the Executive Committee, will appoint a Director of the Center who will then become a member of the Executive Committee and serve as its secretary. The Executive Committee will give policy and broad program direction to the work of the Center and will establish a standing technical advisory committee and other groups as needed to consider specific problems or activities related to water resources programs.

I concur.

On motion of Mr. Swain, this recommendation was approved.

**SUPPLEMENTAL ANNUITIES FOR RETIRED UNIVERSITY PERSONNEL**

(15) The University Retirement System of Illinois was created by an Act of the General Assembly of Illinois approved June 21, 1941, and began operating on September 1, 1941. Since then, it has provided the retirement, disability, death, and survivor benefits for all members of the faculty and other employees of the six state-supported institutions of higher education, the state scientific surveys, and certain auxiliary state agencies such as the System itself. All benefits accruing to the personnel covered by the System are defined by state law; and any changes in benefits are pursuant to legislative action.

Prior to the establishment of the University Retirement System, the Board of Trustees of the University of Illinois established a program and policies, which became operative September 1, 1925, providing for payment of retirement and death benefits from University funds. All personnel who retired prior to September 1, 1941, have received their benefits from this University of Illinois System, and those still living continue to receive their retirement benefits from University funds.

Retirement benefits, then as now, were based upon salaries paid during the last several years of active service and the period of such service. It is apparent that the retirement annuities determined by salaries which were being paid in 1941 are wholly inadequate when measured by present costs of living. The same is true, although perhaps in most cases to a somewhat lesser extent, of annuities being paid to those who retired after September 1, 1941, under the University Retirement System of Illinois prior to the increases in benefits established by the amendments to the Act made by the General Assembly in 1959. While the University may supplement the annuities of those who retired under the University of Illinois System established in 1925, and which is under the sole jurisdiction of the Board of Trustees of the University of Illinois, action to improve the benefits of those who retired under the University Retirement System of Illinois requires specific authorization of the General Assembly.

The Seventy-second General Assembly of Illinois established a precedent for supplemental annuities of employees after retirement by an Act providing for additional annuities for teachers in the State Teachers and the Chicago Teachers Retirement Systems, the constitutionality of which law has been upheld by the Supreme Court of Illinois. Under that law, retired teachers are permitted to purchase additional annuities to bring their total retirement benefits to a maximum of \$50 a year for each year of service but in no event in excess of \$2,250 per year. For such supplemental benefits the individual is required to make a payment of \$5 for each year of credited service at the time of retirement into a separate fund to which fund the state also contributes. The supplemental benefits are payable only out of that fund.

Since University of Illinois personnel who retired prior to September 1, 1941, are under a retirement system which was established and has been operated solely by the University, the Board of Trustees may act to supplement the benefits of such retired personnel without state legislation; and the precedent cited above justifies such action as a matter of policy. Seven members of the University faculty and other employees who retired prior to September 1, 1941, and who are still living, are eligible to purchase supplemental annuities if the formula used for those who retired under the State and Chicago Teachers Systems is applied. The totals of the annuities of these seven retired staff members would thus be supplemented by \$4,510 per year. Initial payments required of them would total \$1,021.26, resulting in a net cost of \$3,488.74 during the first year. Based on the life expectancy of these individuals, the total program would cost approximately \$17,116 to be paid over a period of years.

The Vice-President and Comptroller recommends that the Board approve the establishment of such a program of supplementary retirement benefits on a basis comparable to that provided by the Seventy-second General Assembly for retired personnel under the State Teachers and the Chicago Teachers Retirement Systems, and authorize the payment into such separate fund such amounts as may be necessary to pay the net cost of said supplemental annuities from funds received for reimbursement for the indirect costs of operation of research and service contracts. This proposal has been considered by the Committee on General Policy which recommends approval.

I concur.

On motion of Mr. Johnston, this recommendation was approved, and the assignment of funds required for supplemental annuities was authorized; this action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### UNITED STUDENT AID FUNDS, INCORPORATED

(16) The Board has authorized a contract with the United Student Aid Funds, Incorporated, whereby deposits made with that agency by the University guarantee loans obtained by its students from banks in their home areas.

Of the \$5,000 authorized, \$2,000 was advanced in May, 1963, by the University of Illinois Foundation to the University, which was then deposited with USA Funds and, when matched by an equivalent amount by the USA Funds, made possible loans aggregating \$50,000. This amount was completely loaned within a few weeks.

Authorization is requested to accept an additional \$10,000 from the Foundation for this purpose and to deposit it with the USA Funds as required, which will result in a total authorization of \$15,000. While USA Funds can give no assurance at present as to what amount, if any, can be assigned by it to match the University contribution, each dollar of the deposit, consisting of the University advance and USA Funds matching funds, is used by USA Funds to guarantee \$12.50 in loans obtained by students from their local banks.

On motion of Mrs. Watkins, authority was given as requested.

#### BEQUESTS OF DR. L. C. H. E. ZEIGLER, DECEASED

(17) The will of the late Dr. L. C. H. E. Zeigler of Chicago includes two bequests to the University, each approximately \$3,000, one to the University without restriction and the other for the Research and Educational Hospitals. The attorneys for the estate have requested adoption of a resolution by the Board of Trustees authorizing acceptance of these bequests. The following resolution is submitted.

##### Resolution

WHEREAS, L. C. H. E. Zeigler, a resident of Chicago, Illinois, departed this life on the 17th day of March, 1961, leaving a Last Will and Testament and Codicil which have been duly admitted to probate in Cook County, Illinois, said Last Will and Testament containing provisions for bequests as follows: University of Illinois—Chicago Research and Educational Hospitals and Illinois State University.

*Now, Therefore, Be It, and It Is Hereby, Resolved*, by this Board of Trustees of The Board of Trustees of the University of Illinois, that the said bequests be and the same are hereby accepted by said The Board of Trustees of the University of Illinois for the uses and purposes therein set forth; and

*Be It Further Resolved* that C. C. DeLong, as Bursar of the University of Illinois, be and he is hereby authorized to accept payment on behalf of said The Board of Trustees of the University of Illinois, and to execute and deliver to John O. Root, William Culbertson, Henry C. Crowell, Ernest C. Christiansen, and Stanley Staiger, Executors of the Last Will and Testament and Codicil of said L. C. H. E. Zeigler, Deceased, the receipt of said The Board of Trustees of the University of Illinois in satisfaction thereof.

Dr. Zeigler's will includes the lists of some 450 legatees and devisees. His bequests to the University are under the names of "Illinois State University" and "University of Illinois—Chicago Research Hospitals," each being approximately \$3,000, or a total of \$6,000. The above resolution authorizes acceptance of both.

On motion of Mr. Johnston, this resolution was adopted.

#### PURCHASES

##### Purchases Authorized

(18) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

*Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot electronic instruments and accessories, including resistors, voltmeters, oscillators, and signal generators, to be used at the Indian Institute of Technology in Kharagpur, India	Agency for International Development (India)	General Radio Co., West Concord, Mass.	\$2 925 00 f.o.b. West Concord, Mass.
Thirty microscopes, laboratory type, with standard optics and accessories, mounted in a case, for export to India under the United States AID program at the Uttar Pradesh University	Agency for International Development (India)	Bausch & Lomb, Inc., Rochester, N.Y.	8 934 60 f.a.s. New York
Polygraph and accessories to be used to record physiological data	Agency for International Development (Thailand)	Grass Instrument Co., Quincy, Mass.	5 640 00 f.a.s. New York
Furnish and erect one silo, size 16 ft. by 60 ft., poured concrete, including foundation, at the University of Illinois Wright Farm No. 4 located at Malta, Illinois; the silo is to be used for corn silage in connection with livestock feeding research being conducted by the Agricultural Economics Department of the College of Agriculture	Agricultural Economics	Bertram Construction, Grafton, Wis.	3 375 00 f.o.b. delivered and erected
Fertilizer as follows: 17.60 tons diammonium phosphate 18.275 tons granular high analysis phosphate 22.45 tons ammonium phosphate nitrate	Agricultural Economics	Tennessee Valley Authority, Wilson Dam, Ala.	4 217 93 f.o.b. Sheffield, Ala.
To be used for ten Allerton Trust Farms; the Allerton Farm tenants will reimburse the University for one-half the total cost			
Furnish materials and labor to construct a water tower, 75 ft. high, with water tank, 30,000 gallons capacity, complete with all necessary piping, paint, and insulation, and dismantle existing 12,000 gallon tank and 50 ft. tower at Robert Allerton Park	Robert Allerton Park	Universal Tank & Iron Works, Inc., Indianapolis, Ind.	18 580 00 f.o.b. delivered and erected

On motion of Mr. Johnston, these purchases were approved.

*Purchases Recommended*

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

*Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot scientific apparatus and supplies consisting of one refractometer, 500 plastic bottles, thirty bags, corks, forty packages test paper, eight cases chemicals, seventy cases laboratory glassware, 5,000 rubber bulbs, ten gross graduate cylinders	Physical Science, Chicago Undergraduate Division	LaFine Scientific Co., Chicago	\$4 415 00 delivered



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One ultrasonic cleaner and supplies	Research and Educational Hospitals	Zimmer-Ramsey Associates, Chicago	\$ 4 299 70 delivered
One lot of laboratory apparatus and equipment including balances, spectrophotometers, furnaces, PH meters, centrifuge and accessories, heaters, ovens, and laboratory hardware, to be used to equip the Agronomy section of the new Plant Sciences Building	Agronomy	Schaar Scientific Co., Chicago	11 750 00 f.o.b. delivered
One polarizing microscope, research type, regulating transformer with ammeter, with attachable graduated polarizing mechanical stage and accessories	Agronomy	W. H. Kessel & Co., Chicago	2 712 00 f.o.b. delivered
One vacuum X-ray spectrographic unit, complete, including supervised installation and consisting of constant potential X-ray generator and control current stabilizer, electronic circuit panel, goniometer assembly, vacuum spectrographic attachment, electronic recorder, scintillation counter attachment, water cooler system and accessories, plus six months' full warranty excepting X-ray tubes	Agronomy	Philips Electronic Instruments, Chicago	23 761 00 f.o.b. delivered
One spectrograph for ultraviolet and visible regions including power source and excitation stand, one hundred feet of 35 mm. film, two magazines, daylight developing kits, and chemicals	Chemistry and Chemical Engineering	Applied Research Laboratories, Inc., Westchester	4 200 00 f.o.b. delivered
Additional equipment to expand and upgrade the laboratory work in Physics courses 343 and 344 electronic circuits, consisting of thirty-six power supplies, eighteen voltage reference sources, eighteen laboratory meters, eighteen three-inch oscilloscopes, thirty-six substitution boxes, six volt-ohm milliamperes, seven generators, six voltmeters, thirty-six chassis and parts kits, fifty amplifier parts group, and eighteen tool sets (Note: This purchase will be made from both Appropriated Funds, \$7,216.65, and Institutional Funds, \$4,452.39, for a total of \$11,669.04.)	Physics	Heath Co., Benton Harbor, Mich.	7 216 65 f.o.b. Benton Harbor, Mich.
Assignment of library binding contract (books, serials, and newspapers) for the University Library for the period July 1, 1963, through June 30, 1965	Library	Hertzberg-New Method, Inc., Jacksonville	100 000 00
Sixty-three hanging wall closets, with double doors, wood, 66 in. high by 22 in. wide by 7 in. deep, to be wall mounted for use in the patient rooms in McKinley Hospital	McKinley Hospital	Hill-Rom Co., Inc., Batesville, Ind.	3 181 50 f.o.b. delivered
Three ovens, mechanical convection, two autoclaves, steam heated, one laboratory mill, two furnaces, muffle type, and one water bath, constant temperature for new equipment in Plant Sciences Building	Agronomy	Fisher Scientific Co., Chicago	11 433 25 f.o.b. delivered
Two balances, one macro and one semi-micro, for new equipment in the Plant Sciences Building	Agronomy	E. H. Sargent & Co., Chicago	3 390 00 f.o.b. delivered
<i>Purchases from Institutional Funds</i>			
One automatic recording spectrophotometer and accessories	Biological Chemistry, Chicago	Perkin-Elmer Corp., Norwalk, Conn.	\$ 5 898 00 delivered
One refrigerated centrifuge and accessories	Biological Chemistry, Chicago	Ivan Sorvall, Inc., Norwalk, Conn.	2 695 00 delivered
One ultra high-speed preparative centrifuge with two rotors and one tube slicer	Biological Chemistry, Chicago	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	8 192 00 delivered
Fermentation equipment, consisting of one fermentor, two drying ovens, and two shakers	Biological Chemistry, Chicago	New Brunswick Scientific Co., Inc., New Brunswick, N.J.	6 461 50 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One automatic ultraviolet analyzer	Biological Chemistry, Chicago	Vanguard Instrument Co., La Grange	\$2 800 00 delivered
One spectrophotofluorometer with accessories of eight cells, two cell adapters, one polarizer, and one recorder	Clinical Research Center, Chicago	American Instrument Co., Inc., Barrington	7 275 50 delivered
One photomicroscope and accessories	Dental Radiology, Chicago	W. H. Kessel & Co., Chicago	4 223 00 delivered
Rental of approximately sixty-nine hours of computer time on various electronic computers for data processing during the period of November 1, 1963, through June 30, 1964	Library, Chicago Undergraduate Division	Lutter & Maremont Co., Inc., Chicago	3 995 00
One lot of laboratory equipment and supplies consisting of one centrifuge, three ovens, twelve stopwatches, and thirty-eight dozen rolls of aluminum foil	Medical Center, Chicago	LaPine Scientific Co., Chicago	3 467 00 delivered
Twenty-five refrigerators and eight freezers for laboratories	Medical Center, Chicago	Frigidaire Sales Corp., Chicago	5 205 75 delivered
One lot of scientific equipment and supplies consisting of one ultracentrifuge, twelve pipette baskets, 1,056 plastic bottles, 270 packages corks, 500 ounces microscope cover glasses, 200 vials capillary tubes, ninety-six rolls aluminum foil, and six stopwatches	Medical Center, Chicago	A. Daigger & Co., Chicago	8 118 32 delivered
Steel laboratory furniture consisting of four tables, nineteen stools, and twelve cabinets; wood laboratory furniture consisting of thirty-one tables, twenty stools, two cabinets, three wall cases, and four glassware pegboards	Medical Center, Chicago	Browne-Morse Company, Muskegon, Mich. (steel furniture) Kewaunee Manufacturing Co., Evanston (wood furniture)	2 724 29 (6 609 10) 9 333 39
Sixty-six animal cage racks, 410 dropping pans, 300 medium sized animal cages, and 500 guinea pig cages; right reserved to increase or decrease quantities by 15 per cent without penalty	Medical Research Laboratory, Chicago	Production Steel Co. of Illinois, Broadview	52 144 00 delivered
200 stainless steel rat breeder cage tops 200 stainless steel rat breeder cage bottoms Right reserved to increase or decrease quantities by 15 per cent without penalty	Medical Research Laboratory, Chicago	Jos. T. Ryerson & Son, Inc., Chicago	4 560 00 delivered
One ultra high-speed centrifuge, three rotors, thirty-six tubes, and twenty-four tube caps	Medical Research Laboratory, Chicago	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	8 941 20 delivered
One lot of laboratory equipment and supplies consisting of two spectrophotometers, 274 packages of filter paper, twelve pails, 200 gross finger cots, 400 books lens paper, twenty-four pipetters, two pipette rinsers, 500 gross slides, and sixty gross pipettes	Medicine, Chicago	Aloe Scientific Co., Schiller Park	5 880 00 delivered
One lot of laboratory equipment	Medicine, Chicago	Aloe Scientific Co., Schiller Park	9 164 10 delivered
One automatic gamma scintillation system and dual-channel analyzer with time and count printout	Medicine, Chicago	Nuclear-Chicago Corp., Chicago	9 960 80 delivered
One lot of laboratory equipment and supplies consisting of four balances, 522 plastic bottles, 124 bags of corks, 192 rolls of aluminum foil, and 100 ounces of cover glasses	Medicine, Chicago	E. H. Sargent & Co., Chicago	3 600 00 delivered
One polygraph and accessories for recording heart action and blood pressure	Medicine, Chicago	Sanborn Co., Chicago	2 693 00 delivered
One vapor pressure osmometer and accessories	Pharmacy, Chicago	Mechrolab Inc., Mountain View, Calif.	2 621 00 f.o.b. Mountain View, Calif.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One replacement recording apparatus for an existing automatic blood pressure recording system in the Department of Psychiatry; this apparatus will also make it possible to record skin temperature and electrocardiograms	Psychiatry, Chicago	Spizco Division, Beckman Instruments, Inc., Palo Alto, Calif.	\$ 2 781 20 delivered
400 dozen infant diapers, 15 in. by 21 in., and 600 dozen infant diapers, 21 in. by 40 in.	Physical Plant, Chicago	Will Ross, Inc., Milwaukee, Wis.	2 516 00 delivered
Furnish and install one farrowing house, size 26 ft. by 66 ft., including foundation and concrete work, complete with slat flooring for farrowing crates, galvanized farrowing stalls, feeders, waterers, pig brooders with thermostat control air-intake system, and all necessary wiring and electrical service	Animal Science	Honegger's & Co., Inc., Fairbury	5 411 66 f.o.b. delivered and installed
One basic X-ray small angle scattering camera goniometer, and accessories, used for the detection and measurement of nucleation and crystal growth in oxide glass systems of minute sizes	Ceramic Engineering	Siemens America, Inc., New York, N.Y.	3 635 00 delivered
One goniometer assembly system including a change gear, one constant potential generator including current stabilizer, one electronic circuit panel including a scintillation counter attachment and electronic recorder, and one line voltage regulator, for X-ray diffraction equipment to be used in X-ray studies	Chemistry and Chemical Engineering	Philips Electronic Instruments, Chicago	16 595 00 f.o.b. delivered
X-ray diffraction equipment consisting of: one constant potential generator 20 KV to 60 KV, one diffractometer, one single crystal device, one horizontal tube stand, one molybdenum target tube, one copper target tube; plus installation	Chemistry and Chemical Engineering	Siemens America Inc., New York, N.Y.	14 347 00 f.o.b. delivered
One constant temperature room, approximately 47 ft. by 73 ft. by 79 ft., with a temperature range of 4°C to 60°C, for research studies on the effect of the curing of various paving materials at different temperatures	Civil Engineering	Hotpack Corp., Chicago	3 695 00 f.o.b. delivered
One generator, sweep signal, x-band, 8.2 to 12.4 kmc. with levelled output of $\pm 0.5$ db. calibrated output power	Coordinated Science Laboratory	Alfred Electronics, c/o Carter Electronics, Inc., Chicago	3 500 00 f.o.b. delivered
One electron beam evaporating unit complete with 2000 watt power supply, ten spare filaments and two electrical feedthroughs for study of evaporated film of tantalum, niobium, and alumina	Coordinated Science Laboratory	Varian Associates, Palo Alto, Calif.	4 985 00 f.o.b. Palo Alto, Calif.
One centrifuge, superspeed, automatic, refrigerated, large capacity with one 400 milliliter capacity rotor for study of the manner in which certain microorganisms produce or synthesize various compounds of biochemical interest	Dairy Science	Ivan Sorvall, Inc., Norwalk, Conn.	2 575 00 f.o.b. delivered
One complete feed storage, grinding, and blending system with four compartments and approximately thirty-two ton storage capacity; system to be complete including foundation and erection at the University Dairy Farm, Urbana	Dairy Science	Mix-Mill Inc., Bluffton, Ind.	4 577 38 f.o.b. delivered and erected
Labor and materials for updating of magnetic drum memory system of Illiac II from fixed heads to aerodynamic (floating) heads	Digital Computer Laboratory	Vermont Research Corp., Springfield	10 300 00 f.o.b. Springfield, Vt.

Item	Department	Vendor	Cost
3,000,000 sets — single part tabulating forms, 14½ in. by 11 in., including marginal guide strip on each side; the quantity is the estimated requirement for one year for the 7090 computer; the forms are to be shipped at various times during the period as required	Digital Computer Laboratory	Uarco, Inc., Decatur	\$ 9 360 00 f.o.b. delivered
One amplifier, pulse-power, with 20:1 step-down plug-in unit, peak power output 20 KW, peak current output 100 amps, output pulse droop less than 5 per cent, pulse width 1 to 10 microseconds	Electrical Engineering	Velonex, Division of Pulse Engineering, Inc., Santa Clara, Calif.	\$ 268 26 f.o.b. delivered
One evaporator, high vacuum with ultimate blank-off pressure 1 by 10 <sup>-5</sup> , counter balanced hoist for bell jar, stainless steel base plate, straight through pumping path, and extra power supply, to be used in research on p-n laser junctions	Electrical Engineering	Consolidated Vacuum Corp., Chicago	6 854 00 f.o.b. delivered
Print and bind: 20,000 copies <i>Charting the Universe</i> , trim size 8½ in. by 11 in., 96 pages per copy 20,000 copies <i>The Universe in Motion</i> , trim size 8½ in. by 11 in., 104 pages per copy 20,000 copies <i>Gravitation</i> , trim size 8½ in. by 11 in., 104 pages per copy 7,000 copies <i>Charting the Universe</i> , Teacher's Guide, trim size 8½ in. by 11 in., 72 pages per copy 7,000 copies <i>The Universe in Motion</i> , Teacher's Guide, trim size 8½ in. by 11 in., 104 pages per copy	Elementary Education	George Banta Co., Chicago	14 971 91 f.o.b. delivered
One lot laboratory glassware, micro size, to include standard tapers, adapters, liebig type condensers, distillation columns, flasks, funnels, and stirring apparatus	General Chemical Stores	Research Apparatus, Inc., Franklin Park	8 517 56 f.o.b. delivered
Film badge service for the period November 1, 1963, through June 30, 1965, for determination of exposure to radioactive materials to all personnel so involved, under the direction and authority of the University Health Physicist as follows: 220 beta-gamma film badges every two weeks 26 beta-gamma film badges every week for nine months, September 18 to June 18 5 beta-gamma finger (ring) badges every two weeks 55 neutron-beta-gamma film badges every two weeks	Physics	Nuclear Chicago Corp., Des Plaines	7 210 00 f.o.b. delivered
One double pass grating monochromator, with prisms to provide radiation of a single narrow wavelength region at the exit slit when "white light" sources are focused on the entrance slit and be compatible with existing equipment	Physics	The Perkin-Elmer Corp., La Grange	3 615 00 f.o.b. delivered
Fabricate three special rotating periscopes with magnetic oxide coating on the rotating drums, with magnetic reading and writing heads attached to the frame of the drums, similar to those originally produced at the U. S. Atomic Energy Commission supported Lawrence Radiation Laboratory, University of California	Physics	Lawrence Radiation Laboratory, University of California, Berkeley, Calif.	8 625 00 f.o.b. delivered
Eight plastic scintillators, all edges polished, 48 in. by 25 in. by ¾ in. thick	Physics	Pilot Chemicals, Inc., Watertown, Mass.	3 200 00 f.o.b. delivered
Thirty-five issues, 3,500 copies each, Channel 12 Newsletter, for Station WILL, two pages (one sheet), 8½ in. by 11 in., printed both sides	Television	Fleming Printing Co., Champaign	3 220 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Lease eighteen films, 16 mm. color, for ten-year period, and purchase one film, 16 mm., color	Visual Aids Service	Walt Disney 16 mm. Films, Park Ridge	\$ 4 645 00 f.o.b. delivered
One counter to measure density of solutions, count and determine the size of blood cells, complete with vacuum pump, aperture tube, manometer, stand, and one automatic dilutor for use with above; equipment to be used in general hospital blood work	McKinley Hospital	Coulter Electronic Sales Co., Chicago	3 830 00 f.o.b. delivered
Print and bind 18,000 copies <i>Illinois Farm Record Book, Part I</i>	Agriculture Administration	George Banta Co., Chicago	2 680 73 f.o.b. delivered
750 cases napkins, paper, size 12 in. by 13 in., packed 12,000 per case	Office Supply Storeroom	Levin Brothers Paper Corp., Chicago	12 301 50 f.o.b. delivered
300 cases napkins, paper, size 12 in. by 16½ in., packed 7,500 per case			
For Office Supply Storeroom stock; an estimated ten to twelve months' supply			
700 cartons tile, acoustical, fissured mineral type, incombustible, to be stocked by the Physical Plant Storeroom for use in jobs on the Urbana campus	Physical Plant	Brinkoetter Tiling Co., Decatur	7 614 05 f.o.b. delivered
Eight air handling units each with a ventilating capacity of 4000 cubic feet per minute with filter units and heating coils; units are required for proper use of laboratory space in Chemistry Annex during the winter months	Physical Plant	The Trane Co., Peoria	5 445 00 f.o.b. delivered
One spectrophotometer, atomic absorption, including burner, photo-multiplier detector, digital readout, control box, cathode ray lamps and mounting brackets, to be used for analysis of mineral content in animal tissue and ration ingredients	Animal Science	The Perkin-Elmer Corp., La Grange	5 960 00 f.o.b. delivered
One lot of component parts for the ultra high vacuum equipment consisting of vacuum chambers, flanges, gaskets, ion gauge controls, power supplies, feed throughs, elbows, tees, bake out units, viewing parts, and special nuts and bolts, to be used to build additional vacuum capacity around existing equipment	Coordinated Science Laboratory	Varian Associates, Palo Alto, Calif.	27 746 00 f.o.b. Palo Alto, Calif.
40,000 diodes, type 1 N 995	Digital Computer Laboratory	Hughes Aircraft Co., Chicago	3 440 00
		20,000 units	
		Sylvania Electric Products, Inc., Chicago	3 400 00 (6 840 00) f.o.b. delivered
		20,000 units	
One electrophoresis diffusion instrument capable of simultaneous and independent operation of three cells complete with three diffusion cells and rack assemblies	Food Science	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	21 340 00 f.o.b. delivered
One lot of laboratory equipment and apparatus consisting of ten analytical balances, two photometers, 1,752 assorted polyethylene bottles, 144 test tube supports, and sixty pairs disposable polyethylene gloves; this equipment is for stock in the General Chemical Stores (a three months' supply) and for the Department of Chemistry and Chemical Engineering	General Chemical Stores	E. H. Sargent & Co., Chicago	9 285 00 f.o.b. delivered
40,000 tolbutamide tablets, 0.5 gm. a drug used in the control of diabetes; this is a six months' supply of the item	Pharmacy, Chicago	The Upjohn Co., Chicago	2 928 00 f.o.b. delivered
One chromatography-radioactivity analysis system, including a gas chromatograph for isothermal or temperature programming, one high temperature flow chamber with a rigid coaxial line, and one recorder	Radiocarbon Laboratory	Applied Physics Corp., Monrovia, Calif.	7 727 50 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
160 steel bookshelf units, each 36 in. wide by 9½ in. deep by 84 in. high	Office Supply Storeroom	The Interior Steel Equipment Co., Bloomington	\$ 5 196 80 f.o.b. delivered
Furnish and install padding and carpeting on the main floor and balcony of the Recital Hall in Smith Music Hall	Physical Plant	De Sitter Brothers, Chicago	\$ 079 90 f.o.b. delivered and installed
Furnish and install four electric door operators, two right hand and two left hand, at the southeast and southwest entrances of the Pennsylvania Avenue Residence Halls	Physical Plant	JED Products Co., Royal Oak, Mich.	4 483 00 f.o.b. delivered and installed
Eighty-eight temperature control items to be used by the Physical Plant Department in the installation of control equipment for ventilation in the Chemistry Annex	Physical Plant	Johnson Service Co., Urbana	2 674 80 f.o.b. delivered

On motion of Mr. Johnston, these purchases were authorized.

#### COMPTROLLER'S REPORT OF CONTRACTS

(19) The Comptroller's report of contracts executed during the period September 1 to 30, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
State of Illinois Department of Mental Health Project 17-121	Psychiatric residency training program	\$ 50 000 00	July 15, 1963
State of Illinois Department of Mental Health Project 17-157	Assessment of parent child-rearing practices in clinic and nonclinic families	35 366 00	September 1, 1963
United States of America	Symphony orchestra tour of Latin America	178 203 00	June 14, 1963
United States Army DA49-193-MD-2481	Chemistry and mechanism of action of potential anti-viral agents	12 976 00	August 1, 1963
United States Department of Health, Education, and Welfare OE-4-10-058	Sequential social sciences courses for the secondary schools	250 000 00	September 15, 1963
United States of America Agency for International Development AID-af-132	Establish and develop Njala College at Njala, Sierra Leone	1 039 913 00	August 16, 1963
United States of America Agency for International Development AID-nesa-64	Render technical advice and assistance to the Ministry of Agriculture of the Government of Jordan	153 520 00	September 6, 1963
<b>Total</b>		<b>\$1 719 978 00</b>	

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Allan Sherman Enterprises, Inc.	Perform an engagement at the Assembly Hall, September 28, 1963	\$11 500 00	August 29, 1963
State's Attorney of Douglas County	Payment in lieu of taxes, for services rendered (Hackett)	1 451 50	August 22, 1963
State's Attorney of La Salle County	Payment in lieu of taxes, for services rendered (Weber)	3 634 77	August 1, 1963
State's Attorney of Platt County	Payment in lieu of taxes, for services rendered (Allerton and Warren)	12 587 67	August 21, 1963
<b>Total</b>		<b>\$29 173 94</b>	

#### Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Sherman McCord	Rental of second-floor apartment of Burt house (Airport) from September 1, 1963, to August 31, 1964	\$ 960 00 (annual rental)	September 1, 1963

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Peter E. Meyer	Rental of first-floor apartment of Burt house (Airport) from September 1, 1963, to August 31, 1964	\$1 020 00 (annual rental)	September 1, 1963
<b>Total</b>		<b>\$1 980 00</b>	
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
City of Chicago	Rental of Navy Pier building from July 1, 1963, to December 31, 1964	\$242 010 00 (13 445 00 per month)	July 1, 1963
City of Chicago	Rental of Drill Hall adjacent to Navy Pier from July 1, 1963, to June 30, 1965, for Student Activity Building	62 000 16 (2 583 34 per month)	July 1, 1963
Mrs. Eunice C. Creamer and Mr. Newton M. Cunningham	Rental of room 200, 627½ South Wright Street, Champaign, from July 1, 1963, to June 30, 1965, for Provost's Office	3 840 00 (160 00 per month)	July 1, 1963
Dixon National Bank	Rental of room 20, 101 First Street, Dixon, from September 1, 1963, to June 30, 1964, for Extension Division	400 00 (40 00 per month)	September 1, 1963
Kathleen F. Gallivan	Rental of second floor northwest storage room, 26 East Springfield Avenue, Champaign, from July 1, 1961, to June 30, 1962, for Department of Art	129 60	July 1, 1961
Albert N. Gregerson and Beatrice E. Gregerson	Rental of property at 1112 West California Avenue, Urbana, from September 1, 1963, to January 31, 1964, for Housing Division	2 485 00	September 1, 1963
International Business Machines Corp.	One item: conversion of eight-tape units from model number II to model number V	4 020 00	March 4, 1963
Mrs. Rosemund Lowry	Rental of property at 1007 South Fifth Street, Champaign, from September 1, 1963, to January 31, 1964, for Housing Division	2 475 00	September 1, 1963
Riley J. McCulley	Rental of property at 107 West California Avenue, Urbana, from September 8, 1963, to August 31, 1964, for Housing Division	18 000 00	September 8, 1963
B. A. Strauch	Rental of space at 707-709 South Wright Street, Champaign, from July 1, 1963, to June 30, 1964, for Commerce and Business Administration	2 400 00 (200 00 per month)	July 1, 1963
University of Illinois Foundation	Rental of Hott Memorial Center, Monticello, from July 1, 1963, to June 30, 1965, as an extension of Robert Allerton Park	24 000 00 (6 000 00 semiannually plus Interest)	July 5, 1963
University of Illinois Foundation	Rental of Goodwin Avenue apartments located at Southeast corner of Green Street and Goodwin Avenue, Urbana, from July 1, 1963, to June 30, 1965, for Housing Division	114 280 00 (14 285 00 per quarter)	July 1, 1963
University of Illinois Foundation	Rental of 129 North Race Street, Urbana, from July 1, 1963, to June 30, 1965, for Psychology Department	20 424 00 (851 00 per month)	July 1, 1963
Cyrus W. Vaughn	Rental of 1102-A West Main Street, Urbana, from July 1, 1963 to June 30, 1964 for Education and University High School	1 920 00 (160 00 per month)	July 1, 1963
<b>Total</b>		<b>\$498 383 76</b>	

### Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Amstead Research Laboratories	Properties of refractories	\$30 000 00	August 12, 1963

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Bendix Corp.	High-temperature thermal properties of ceramic-metal combinations	\$ 3 035 00	October 1, 1963
Griffin Wheel Co.	Improvement of cast steel railway car wheels	14 787 69	July 1, 1963
United States Air Force AF 41 (609)-1481	Determinants of monitoring behavior in complex tasks	10 951 00	July 26, 1963
United States Department of Defense SD-131	Research in science of materials (Materials Research Laboratory)	1 691 400 00	May 31, 1963
United States Navy Nobs-86688	Survey of existing knowledge of brittle fracture phenomena	30 000 00	June 5, 1963
United States Navy Nonr-1834(17)	Current problems of solid state and surface physics of semiconductors	30 000 00	August 1, 1963
United States Navy Nonr-1834 (34)	Luminescence of marine organisms	25 055 00	July 22, 1963
United States Navy Nonr-1834 (37)	Mechanism of antibody formation in the pig	35 027 00	July 25, 1963
United States Navy Nonr-1834 (38)	Dependence of dielectric properties on crystal structures	30 000 00	July 23, 1963
United States Navy Nonr-1834 (39)	Structure of individual differences in psychological phenomena	18 593 00	July 19, 1963
United States Navy Nonr-1834 (40)	Heat stable enzymes	10 214 00	July 1, 1963
United States of America, Agency for International Development AID-af-63-A-1	Consolidating facilities of the present college and experiment station at Njala, Sierra Leone	4 000 00	February 5, 1963
VioBin Corp.	Fish meal and fish meal products in swine nutrition	1 500 00	August 1, 1963
<i>Total</i>		<u>\$1 934 562 69</u>	

## Adjustments Made in 1962-63 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Four items: \$50.00 deduct to \$670.40	\$ 590 92	August, 1963

## Adjustments Made in 1963-64 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
George S. Grimmer & Co. (Plastering)	Twenty-five items: \$350.00 deduct to \$1,400.00	\$5 000 00	August and September, 1963

## Summary

Amount to be paid to the University.....	\$3 656 520 69
Amount to be paid by the University.....	533 148 62

This report was received for record.

### INVESTMENT REPORT

#### Report of the Finance Committee

(20) The Finance Committee reported the following changes in investments of endowment and other funds for the month of August, 1963:

*Ceramic Scholarship Fund*

<i>Sale</i>				
\$ 5 000	U. S. Treasury Notes	3¾	11/15/64	\$ 5 007 03
<i>Exchange</i>				
\$ 5 000	U. S. Treasury Bonds	2½	8/15/63 for	
5 000	U. S. Treasury Notes	3¾	11/15/64	
<i>Purchase</i>				
\$ 5 000	U. S. Treasury Bonds	4	8/15/72	\$ 5 018 75

*Duke Fund*

<i>Sale</i>				
\$ 15 000	U. S. Treasury Notes	3¾	11/15/64	\$ 15 021 09
<i>Exchange</i>				
\$ 15 000	U. S. Treasury Bonds	2½	8/15/63 for	
15 000	U. S. Treasury Notes	3¾	11/15/64	



*Kinley Fund*

## Sale

\$ 1 000	U. S. Treasury Notes	3¾	11/15/64	\$ 1 001 41
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## Exchange

\$ 1 000	U. S. Treasury Bonds	2½	8/15/63 for
1 000	U. S. Treasury Notes	3¾	11/15/64

## Purchase

\$ 1 000	U. S. Treasury Bonds	4	2/15/80	\$ 1 001 56
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*Noyes Fund*

## Sale

\$ 10 000	U. S. Treasury Notes	3¾	11/15/64	\$ 10 014 06
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## Exchange

\$ 10 000	U. S. Treasury Bonds	2½	8/15/63 for
10 000	U. S. Treasury Notes	3¾	11/15/64

## Purchase

\$ 10 000	U. S. Treasury Bonds	4	2/15/80	\$ 10 015 63
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*Chicago—Beneficial Interest in Trust*

## Exchange

\$ 178 000	U. S. Treasury Ctls	3½	8/15/63 for
178 000	U. S. Treasury Notes	3¾	11/15/64

## Purchase

\$ 3 000	U. S. Treasury Notes	3¾	11/15/64	\$ 3 007 50
8 000	U. S. Treasury Bonds	2½	2/15/65	7 935 00

**Report of the Comptroller**

The Comptroller reported the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

*Current Funds*

## Restricted Group (June 20, 1962)

## Sale

\$ 67 000	U. S. Treasury Notes	3¾	11/15/64	\$ 67 094 22
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## Exchange

\$ 67 000	U. S. Treasury Bonds	2½	8/15/63 for
67 000	U. S. Treasury Notes	3¾	11/15/64

*Agency Funds*

## University of Andes (June 20, 1962)

## Sale

\$ 1 000	U. S. Treasury Notes	3¾	11/15/64	\$ 1 001 41
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## Exchange

\$ 1 000	U. S. Treasury Bonds	2½	8/15/63 for
1 000	U. S. Treasury Notes	3¾	11/15/64

*Construction Funds*

## Assembly Hall (June 23, 1959, and March 17, 1962)

## Purchase

\$ 265 000	U. S. Treasury Bills		12/12/63	\$ 262 194 39
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## Chicago—Congress Circle Union (June 19, 1963)

## Purchase

\$ 550 000	U. S. Treasury Bills		9/19/63	\$ 547 844 00
220 000	U. S. Treasury Bills		10/10/63	218 675 97
340 000	U. S. Treasury Bills		11/14/63	336 876 53
315 000	U. S. Treasury Bills		12/19/63	311 132 33
260 000	U. S. Treasury Bills		1/15/64	256 043 67
895 000	U. S. Treasury Bills		4/15/64	873 404 15
7 610 000	U. S. Treasury Bills		7/15/64	7 356 942 16

## Chicago—Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953)

## Purchase

\$ 100 000	U. S. Treasury Bills		1/16/64	\$ 98 304 00
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## Illini Union and Health Center (December 21, 1960)

Purchase				
\$ 212 000	U. S. Treasury Bills	12/12/63	\$	209 769 41
23 000	U. S. Treasury Bills	1/2/64		22 677 43

## Illinois Street Residence Halls (October 17, 1962)

Sale				
\$ 670 000	U. S. Treasury Notes	3¾	11/15/64	\$ 670 837 50
Exchange				
\$ 670 000	U. S. Treasury Cdfs	3½	8/15/63 for	
670 000	U. S. Treasury Notes	3¾	11/15/64	
Purchase				
\$ 384 000	U. S. Treasury Bills	12/12/63	\$	379 959 68
30 000	U. S. Treasury Bills	1/2/64		29 579 25

## Orchard Downs and SG-2 (June 14, 1960)

Purchase				
\$ 141 000	U. S. Treasury Bills	11/14/63	\$	139 840 28

## Orchard Downs Addition (May 24, 1962)

Sale				
\$ 495 000	U. S. Treasury Notes	3¾	11/15/64	\$ 495 618 75
Exchange				
\$ 495 000	U. S. Treasury Bonds	2½	8/15/63 for	
495 000	U. S. Treasury Notes	3¾	11/15/64	
Purchase				
\$ 193 000	U. S. Treasury Bills	10/17/63	\$	191 929 71
193 000	U. S. Treasury Bills	11/14/63		191 412 58

## Pennsylvania Avenue (June 21, 1961)

Purchase				
\$ 18 000	U. S. Treasury Bills	10/15/63	\$	17 887 15
67 000	U. S. Treasury Bills	10/17/63		66 627 29

## Student Services (May 17, 1961)

Purchase				
\$ 7 000	U. S. Treasury Bills	10/15/63	\$	6 956 11

*Sinking Funds*

## Chicago—Congress Circle Union (June 19, 1963)

Purchase				
\$ 196 000	U. S. Treasury Bills	9/19/63	\$	195 231 68
810 000	U. S. Treasury Bills	7/15/64		783 064 81

## Housing Revenue Bonds (December 17, 1958; June 23 and October 21, 1959; June 14, 1960; June 21, 1961; and May 24 and October 17, 1962)

Sale				
\$ 146 000	U. S. Treasury Notes	3¾	11/15/64	\$ 146 205 31
Exchange				
\$ 35 000	U. S. Treasury Bonds	2½	8/15/63 and	
111 000	U. S. Treasury Cdfs	3½	8/15/63 for	
146 000	U. S. Treasury Notes	3¾	11/15/64	
Purchase				
\$ 796 000	U. S. Treasury Bills	9/19/63	\$	793 873 95
442 000	U. S. Treasury Bills	2/6/64		434 510 92
323 000	U. S. Treasury Bills	7/15/64		312 444 63

## Illini Union and Health Center (December 21, 1960)

Purchase				
\$ 284 000	U. S. Treasury Bills	9/19/63	\$	283 062 01
141 000	U. S. Treasury Bills	11/29/63		139 782 07
6 000	U. S. Treasury Bills	1/30/64		5 907 38
22 000	U. S. Treasury Bills	8/31/64		21 214 71

## Men's Residence Halls of 1956 (March 23 and September 18, 1956)

Sale					
\$ 44 000	U. S. Treasury Notes	3¾	11/15/64	\$ 44 061 88	
Exchange					
\$ 44 000	U. S. Treasury Bonds	2½	8/15/63 for		
44 000	U. S. Treasury Notes	3¾	11/15/64		
Purchase					
\$ 44 000	U. S. Treasury Bills		9/19/63	\$ 43 887 09	
37 000	U. S. Treasury Notes	3¾	8/15/64	37 080 94	

## Men's Residence Halls of 1957 (March 12, 1957, and November 18, 1959)

Sale					
\$ 118 000	U. S. Treasury Notes	3¾	11/15/64	\$ 118 000 00	
Exchange					
\$ 118 000	U. S. Treasury Bonds	2½	8/15/63 for		
118 000	U. S. Treasury Notes	3¾	11/15/64		
Purchase					
\$ 100 000	U. S. Treasury Notes	3¾	8/15/64	\$ 100 281 25	
93 000	U. S. Treasury Bonds	2½	2/15/65	91 953 75	

## Student Services (May 17, 1961)

Purchase					
\$ 27 000	U. S. Treasury Bills		9/19/63	\$ 26 922 17	
31 000	U. S. Treasury Bills		1/30/64	30 494 18	

## Women's Residence Halls of 1956 (September 18, 1956, and February 15, 1961)

Sale					
\$ 100 000	U. S. Treasury Notes	3¾	11/15/64	\$ 100 140 63	
Exchange					
\$ 100 000	U. S. Treasury Bonds	2½	8/15/63 for		
100 000	U. S. Treasury Notes	3¾	11/15/64		
Purchase					
\$ 100 000	U. S. Treasury Bills		9/19/63	\$ 99 743 39	
32 000	U. S. Treasury Bonds	2½	2/15/65	31 610 00	
50 000	U. S. Treasury Notes	4½	5/15/65	50 875 00	

On motion of Mr. Williamson, this report was received for record.

#### REPORT ON "A MAJOR STREET AND HIGHWAY PLAN FOR THE CHAMPAIGN-URBANA AREA"

(21) In March, 1961, "A Major Street and Highway Plan for the Champaign-Urbana Urban Area" was presented to local government and University officials and other interested parties of the community. This report had been prepared for the Illinois Division of Highways by the firm of Harland Bartholomew and Associates, St. Louis, Missouri.

The Plan has been studied extensively by various units concerned in the University and a report of University reactions has subsequently been made to both the cities of Champaign and Urbana. A copy is being filed with the Secretary of the Board.

The city of Champaign has officially approved and adopted the report for future planning. The city of Urbana is in the process of doing so.

It is now recommended that the Board of Trustees approve in principle "A Major Street and Highway Plan for the Champaign-Urbana Area" for planning purposes, and the University's participation in the planning organization to be established for this area, which organization is required by the Federal-Aid Highway Act of 1962.

At the request of President Henry, the foregoing recommendation was presented by Director C. S. Havens of the Physical Plant Department, and Dr. John E. Baerwald, Director of Highway Traffic Safety Center and Professor of Traffic Engineering. Professor Baerwald discussed the plan in detail, illustrating his presentation with slides.

On motion of Mr. Johnston, the recommendations were approved.

## DEGREES CONFERRED IN OCTOBER

The Secretary presented for record the following list of degrees conferred at Urbana as of October 15, 1963, on recommendation of the Urbana-Champaign Senate.

## Summary

Degrees in the Graduate College, conferred at Urbana:

Doctor of Philosophy.....	167
Doctor of Education.....	10
Doctor of Musical Arts.....	2
Master of Arts.....	24
Master of Science.....	55
Master of Music.....	2
Master of Education.....	4
Master of Accounting Science.....	1
Advanced Certificate in Education.....	1
<i>Total, Graduate College.....</i>	<i>(226)</i>

Degrees in Veterinary Medicine, conferred at Urbana:

Bachelor of Science.....	3
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Baccalaureate Degrees, conferred at Urbana:

Bachelor of Science, College of Agriculture.....	2
Bachelor of Science, College of Engineering.....	7
Bachelor of Arts, College of Liberal Arts and Sciences.....	7
Bachelor of Science, College of Liberal Arts and Sciences.....	3
Bachelor of Science, College of Education.....	2
Bachelor of Science, College of Commerce and Business Administration...	5
Bachelor of Music, College of Fine and Applied Arts.....	1
Bachelor of Science, College of Physical Education.....	1
<i>Total, Baccalaureate Degrees.....</i>	<i>(31)</i>
<i>Total, Degrees Conferred at Urbana.....</i>	<i>297</i>

## GRADUATE COLLEGE

## Degree of Doctor of Philosophy

*In Agronomy*

RAM DEWAN SINHA, B.S., Patna University, 1951; M.S., 1961

*In Animal Nutrition*

HEMMIGE NARASIMHACHAR BHAGAVAN, Diploma, Indian Institute of Science, 1957; B.S., University of Mysore, 1958

*In Animal Science*

WILLIAM FOSTER DEAN, JR., B.S.A., M.S., University of Arkansas, 1956, 1957

WAYNE MERRILL DURDLE, B.S., Illinois State Normal University, 1959; M.S., 1961

JOHN ALLEN RESKO, A.B., St. Charles Seminary, 1955; M.S., Marquette University, 1960

ROBERT EWING SMITH, B.S., M.S., McGill University, 1955, 1957

*In Botany*

FAKHRI ABDUL LATIF BAZZAZ, Licence, Teachers Training College (Baghdad, Iraq), 1953; M.S., 1960

CHARLES LINDLEY KEMP, A.B., M.S., University of British Columbia, 1957, 1960

BARBARA JEAN KIECKHEFER, B.S., University of Wisconsin, 1959; M.S., 1961

RICHARD REGIS RUNGE, B.S., M.S., 1953, 1954

*In Business*

ROBERT EDWARD COFFEY, A.B., Principia College, 1953; M.B.A., Northwestern University, 1958

ARTHUR ADELBERT DONE, B.S., M.B.A., University of Utah, 1955, 1956

MARVIN GENE NEWPORT, B.S., Eastern Illinois University, 1957; M.S., 1961

*In Ceramic Engineering*

ROY EDWARD BICKELHAUPT, B.S., 1950; M.Met.E., Rensselaer Polytechnic Institute, 1959

RICHARD JOSEPH HERBST, B.S., M.S., 1958, 1960

*In Chemical Engineering*

RITCHIE DEANE MIKESSELL, B.S., M.S., Rose Polytechnic Institute, 1955, 1958

*In Chemistry*

WILLIAM SCOTT CHILTON, B.S., Duke University, 1955

VICTOR FREDERICK GERMAN, B.S., University of Richmond, 1958

ROBERT LOUIS GERTEIS, B.S., Municipal University of Wichita, 1958; M.S., 1961

WEI-TSE HSIEH, B.S., National Taiwan University, 1956; M.S., 1960

CYNTHIA SANTOS JUAN, B.S., University of the Philippines, 1958; M.S., 1961

WILLIAM GEORGE KOCH, B.S., University of Notre Dame, 1947; A.M., Montana State University, 1953

CHUN-YEN LAI, B.S., M.S., National Taiwan University, 1954, 1957

JOHN ROBERT MARQUART, B.S., University of Arizona, 1955; M.S., 1961

CHARLES GORDON MCCARTY, B.S., M.S., University of Wichita, 1957, 1959

RICHARD ADLIN MEYER, B.S., M.S., Northeastern University, 1956, 1958

EDWARD LA PORTE SAFFORD, B.S., Northern Illinois University, 1958; M.S., 1960

JOSEPH HERMAN SCHAUBLE, B.S., M.S., Western Illinois University, 1954, 1956

JOHN EDWARD SCHULTZ, A.B., Westminster College, 1958

ROGER SEARLE, A.B., Oberlin College, 1958

CHARLES KENDALL STEINHARDT, B.S., University of Wisconsin, 1957

JOHN CLIFFORD SUMMERS, A.B., Augustana College, 1958

GERALD JAY TENNENHOUSE, B.S., M.S., Wayne State University, 1959, 1960

FLORIS YUNG TSANG, B.S., University of California (Berkeley), 1960

JAMES RONALD VAN HISE, B.S., Walla Walla College, 1959

*In Civil Engineering*

RICHARD HUGH BIGELOW, B.S., Michigan State College, 1941; M.S., North Carolina State College of Agriculture and Engineering, 1955

WILLIAM FINCH CARROLL, B.S., United States Military Academy, 1957; M.S., 1961

ALLEN FREDERICK DILL, B.S., United States Naval Academy, 1946; B.C.E., M.C.E., Rensselaer Polytechnic Institute, 1949, 1950

ATEF AHMED EL SAYED EL-ASSAL, B.C.E., Cairo University, 1956; M.S., 1961

PETER GERGELY, B.Eng., McGill University, 1960; M.S., 1962

GORDON GRACIE, B.A. Sc., University of Toronto, 1952

JOHN THOMAS HANLEY, B.S., M.S., Dartmouth College, 1947, 1948

ALFRED JOSEPH HENDRON, Jr., B.S., M.S., 1959, 1960

JAMES OTIS JIRSA, B.S., University of Nebraska, 1960; M.S., 1962

NAT WETZEL KRAHL, A.B., B.S., The Rice Institute, 1942, 1943; M.S., 1950

JOHN HENRY LAMB, Jr., B.S., M.S., 1956, 1959

AHMED KHAIRY NOOR, B.C.E., Cairo University, 1958; M.S., 1961

WILLIAM JAMES NORDELL, B.S., M.S., 1958, 1959

LOUIS GEORGE PETRO, B.C.E., Clarkson College of Technology, 1949; M.C.E., Brooklyn Polytechnic Institute, 1954

RICHARD BOYKIN POOL, B.S., University of South Carolina, 1942; M.S., Georgia Institute of Technology, 1952

CHARLES MATTHEW RADLER, B.S., United States Military Academy, 1957; M.S., 1962

JOHN CORNELIUS SIEMENS, B.S., University of California (Berkeley), 1957; M.S., 1958

SILVIO JOSEPH SPICOLON, B.S., University of Mississippi, 1951, 1956

WILLIAM HAMILTON WALKER, B.S., University of Massachusetts, 1956; M.S., 1958

*In Classical Philology*

ELVIS OTHA WINGO, A.B., Mississippi College, 1955; A.M., 1956

*In Communications*

ROBERT JOSEPH GWYN, B.F.A., A.M., University of Texas, 1948, 1953

JACK SCHWARTZ, A.B., Temple University, 1954; A.M., University of Chicago, 1958

- ANKANAHALLI VENKATAPPA SHANMUGAM, A.B., A.M., A.M., University of Mysore, 1955, 1957, 1958  
YASUMASA TANAKA, A.B., Gakushuin University, 1954; A.M., 1961  
WILLIAM WEKSEL, A.B., Queens College, 1958; A.M., 1959

*In Dairy Science*

- JOEL SUNRISE TRUPIN, B.S., M.N.S., Cornell University, 1954, 1956

*In Economics*

- ROBERT WILFORD BECKSTEAD, B.S., M.B.A., University of Utah, 1955, 1956  
ROBERT EDWARD COLEBERG, JR., A.B., William Jewell College, 1953; M.B.A., Cornell University, 1957; A.M., 1961  
JOHN WILLIAM EILERT, A.B., Wheaton College, 1950; M.S., Northern Illinois University, 1958  
ROBERT FERDINAND SEVERSON, JR., B.S., A.M., 1958, 1960  
ARTHUR LLOYD WELSH, B.S.C., A.M., Ohio University, 1958, 1960

*In Education*

- MILTON LEON ADLER, B.S., Rutgers University, 1951; M.S., City College of New York, 1952  
WAYNE WALLACE ANTENEN, B.S., M.S., Illinois State Normal University, 1953, 1957  
ELMER EARL FERRIER, A.B., University of Michigan, 1950; A.M., University of Alabama, 1953  
GERALD LEW LARSON, B.S., M.S., Indiana University, 1956, 1957  
DALE EDWARD MATTSON, A.B., Colorado College, 1959; A.M., 1961  
ROBERT RICHARD REILLY, B.Mus.Ed., Illinois Wesleyan University, 1957; A.M., 1961  
JAMES RICHARD ROBERTS, A.B., Ed.M., University of Florida, 1957, 1958

*In Electrical Engineering*

- MAIER LIONEL BLOSTEIN, B.Eng., M.Eng., McGill University, 1954, 1959  
JAMES PETER BOBIS, B.S., M.S., 1958, 1959  
BRUCE EDWIN BRILEY, B.S., M.S., 1958, 1959  
MAX STUART CASLER, B.S., M.S., 1950, 1951  
DALE M. DIAMOND, B.S., University of Utah, 1957; M.S., 1961  
WILLIAM DONALD FRAZER, B.S.E., Princeton University, 1959; M.S., 1961  
HENRY GUCKEL, B.S., University of Buffalo, 1958; M.S., 1960  
CASSIUS ALBERT HESSELBERTH, B.S., M.S., 1957, 1958  
JAAN KRUIJS, B.A.Sc., University of Toronto, 1959; M.S., 1961  
RAMAKRISHNA NARAYANASAMY, B.Eng., University of Madras, 1956; M.S., 1960  
MATTHEW JOSEPH REMEC, B.S., 1956; M.S. (E.E.), M.S. (Math.), University of Wisconsin, 1957, 1958  
JAMES ALBERT RESH, B.S., Michigan State University, 1959; M.S., 1961

*In English*

- MICHAEL JOSEPH COLACURCIO, JR., A.B., A.M., Xavier University, 1958, 1959  
MARY JEAN DEMARR, A.B., Lawrence College, 1954; A.M., 1957  
ROBERT WILLIAM LEWIS, JR., A.B., University of Pittsburgh, 1952; A.M., Columbia University, 1958  
JOSEPH EDMUND MILOSH, JR., A.B., St. Edward's University, 1958; A.M., 1960

*In Entomology*

- FRANCISCO PACHECO, Ing.Agr., National School of Agriculture (Mexico), 1952; M.S., University of Massachusetts, 1955

*In Food Science*

- FRANCIS FREDRICK BUSTA, A.B., M.S., University of Minnesota, 1957, 1961  
HENRY PRIDGEN FLEMING, B.S., M.S., North Carolina State College of Agriculture and Engineering, 1954, 1958  
EDWARD CLARENCE GROESCHEL, JR., B.S., Illinois Institute of Technology, 1958; M.S., 1962  
CHAIM GUR-ARIEH, B.S., Technion-Israel Institute of Technology, 1960; M.S., 1962

*In French*

ROBERT JOSEPH HARDIN, A.B., A.M., North Texas State College, 1950, 1956  
LOUISE MARIE JEFFERSON, A.B., Hunter College, 1947; A.M., 1957

*In Geology*

PAUL DAVID FULLAGAR, A.B., Columbia University, 1960  
ELIZABETH JEAN HANAGAN, A.B., Southern Illinois University, 1954; A.M., University of Wyoming, 1957  
CONSTANTINE THOMAS MANOS, B.S., City College of New York, 1958; M.S., 1960  
RUBINI SOERIA-ATMADJA, B.S., M.S., University of Indonesia, 1957, 1958  
DANTEL ANDREW TEXTORIS, A.B., Western Reserve University, 1958; M.S., Ohio State University, 1960

*In History*

ELIZABETH CHIDESTER DURAN, A.B., College of the Pacific, 1952; A.M., Fletcher School of Law and Diplomacy, 1956  
JOHN EDWARD HODGE, B.S., College of Charleston, 1959; A.M., 1960  
GEORGE WILLIAM PILCHER, A.B., University of Dayton, 1957; A.M., Oklahoma State University of Agriculture and Applied Science, 1959  
LEWIS MILTON ROBINSON, A.B., Westmont College, 1951; A.M., 1956  
KEITH LAVERNE SPRUNGER, A.B., Wheaton College, 1957; A.M., 1958  
ROBERT ALFRED WALLER, A.B., Lake Forest College, 1953; A.M., 1958

*In Horticulture*

JOHN EDWARD LOVE, B.S., M.S., Louisiana State University and Agricultural and Mechanical College, 1958, 1960

*In Library Science*

HERBERT LYMAN SEARCY, A.B., Eastern Kentucky State College, 1946; A.M., Ohio State University, 1948; M.S., 1954

*In Mathematics*

EARL OWEN EMBREE, B.S., Morgan State College, 1950; M.S., 1952  
CLINTON ROSS FOULK, A.B., University of Kansas, 1951; A.M., 1958  
VYTAS BRUTUS GYLYS, B.S., Roosevelt University, 1951; M.S., Northwestern University, 1953  
ADNAN FARHAN IFRAM, B.S., American University of Beirut, 1959; M.S., 1961  
GEORGE THOMAS RUBLEIN, B.S., St. Mary's University of San Antonio, 1957; M.S., 1958  
JAMES EDWARD SKEATH, A.B., Swarthmore College, 1958; A.M., 1960  
HARRIS WESTCOTT VAYO, A.B., Culver-Stockton College, 1957; M.S., 1959  
ROBERT MARTIN VOGT, B.S., M.S., 1956, 1958

*In Mechanical Engineering*

WILLIAM JAMES BATTIN, B.S., Swarthmore College, 1950; M.S.E., Princeton University, 1955  
ARTHUR MARVIN CLAUSING, B.S., Valparaiso University, 1958; M.S., 1960  
JOHN BRUCE MILES, B.S., M.S., University of Missouri School of Mines and Metallurgy, 1955, 1957  
CHOR-WENG TAN, B.S., Evansville College, 1959; M.S., 1961  
ROBERT ALLAN WHITE, B.S., M.S., 1957, 1959

*In Metallurgical Engineering*

ROBERT JAY BLOCK, B.S., Massachusetts Institute of Technology, 1956; M.S., Columbia University, 1958

*In Microbiology*

ROAR LEIF IRGENS, B.S., 1957  
WILLIAM JOHN MANDY, B.S., Elmhurst College, 1958; M.S., University of Houston, 1962  
SAUL ALLEN YANKOVSKY, B.S., 1959

*In Philosophy*

SANDRA SCHWARTZ BARTKY, A.B., A.M., 1955, 1959

DON DAVIS ROBERTS, A.B., Roosevelt University, 1956; A.M., 1958

*In Physical Education*

KENNETH STEVENS CLARKE, B.S., George Williams College, 1953; M.S., 1957

JAMES STANFORD SKINNER, B.S., M.S., 1958, 1960

*In Physics*

BARRY LOUIS BERMAN, A.B., Harvard College, 1957; M.S., 1959

ROBERT DARROW FOUCHAUX, A.B., B.S., Lehigh University, 1956, 1956; M.S., 1958

GORDON LEON KANE, A.B., University of Minnesota, 1958; M.S., 1961

JAMES DAVID LESLIE, B.A.Sc., University of Toronto, 1957; M.S., 1960

FRED MARCUS LURIE, B.S., University of North Carolina, 1952; M.S., 1957

KONG KI MIN, A.B., Amherst College, 1957; M.S., 1959

CHARLES HERBERT NEUMAN, B.S., California Institute of Technology, 1958; M.S., 1960

*In Physiology*

JOHN EDWARD GREENLEAF, B.S., 1955; A.M., New Mexico Highlands University, 1956; M.S., 1962

JOHN ANTHONY NICOLETTE, A.B., Dartmouth College, 1956; M.S., 1960

DONALD THEODORE PALS, A.B., Calvin College, 1956; M.S., 1960

*In Political Science*

THAD LEWIS BEYLE, A.B., A.M., Syracuse University, 1956, 1960

ROBERT DON HEIDORN, A.B., Lawrence College, 1959; A.M., 1960

LOIS MORRELL PELEKODAS, B.S., Wisconsin State College (Eau Claire), 1956; A.M., 1958

*In Psychology*

ALAN RONALD BASS, A.B., Washington University, 1953; A.M., 1959

LAWRENCE RAYMOND BOULTER, A.B., University of British Columbia, 1959

FRANKLIN HOWARD GROFF, B.S., 1956

JAMES WILLIAM JULIAN, A.B., Michigan State University, 1955; A.M., 1960

JOSEPH LEVIN, A.B., Hebrew University (Jerusalem), 1951

HALSEY HULBURT MATTESON, A.B., A.M., 1959, 1962

IRVIN MOELIS, A.B., 1957

DANIEL CRAIG O'CONNELL, A.B., Ph.L., A.M., S.T.L., St. Louis University, 1951, 1952, 1953, 1960

*In Sociology*

THOMAS JOSEPH DUGGAN, A.B., Ph.L., A.M., St. Louis University, 1957, 1958, 1959

PHILIP WOBBER MARDEN, A.B., Rutgers University, 1955; A.M., 1960

GEORGE ALLEN POWNALL, B.S., M.S., Illinois State Normal University, 1952, 1957

JOHN RAY STRATTON, A.B., A.M., 1957, 1959

BARBARA RUTH WILLIAMS, A.B., Austin College, 1954; A.M., 1957

*In Speech*

LARRY DALE CLARK, B.S., Southwest Missouri State College, 1956; A.M., University of Missouri, 1961

WILLIAM SCOTT CRAIG, A.B., College of Wooster, 1956; A.M., 1957

THEODORE HERSTAND, A.B., A.M., State University of Iowa, 1953, 1957

ROBERT KENNEDY SIMPSON, B.S., Eastern Illinois University, 1950; M.S., 1955

*In Theoretical and Applied Mechanics*

NELSON ROBERT BAULD, JR., B.S., M.S., West Virginia University, 1958, 1960

LEE ROY CALCOTE, B.S., M.Eng., Agricultural and Mechanical College of Texas, 1948, 1952

JAMES MARTIN DOYLE, B.S., M.S., Iowa State University, 1956, 1960

JAMES LAPE HILL, B.S., University of Oklahoma, 1959; M.S., 1962

RALPH MARLAND VERETTE, B.S., M.S., Purdue University, 1960, 1961

I CHIH WANG, B.S., National Taiwan University, 1956; M.S., 1960



*In Veterinary Medical Science*

ROBERT FRANK LOCKE, D.V.M., Agricultural and Mechanical College of Texas, 1942; M.P.H., University of Michigan, 1948

**Degree of Doctor of Education***In Education*

JAMES FERRIS BILLINGSLEY, A.B., A.M., University of Michigan, 1949, 1954  
 DELORES MAY CURTIS, B.S., Indiana State Teachers College, 1951; M.S., 1957  
 WESLEY LLOYD FACE, B.S., Northern State Teachers College (South Dakota), 1951; M.S., Stout State College, 1956  
 DANIEL LEE HOUSEHOLDER, B.S., M.S., Eastern Illinois University, 1954, 1957  
 VIRGINIA ROSE MOORE, B.S., M.S., Central Missouri State College, 1949, 1950  
 JOHN JOSEPH TWOMBLY, B.Ed., Eastern Illinois University, 1934; A.M., Northwestern University, 1941  
 JAMES DOUGLAS WALDEN, B.Ed., Wisconsin State College (LaCrosse), 1951; M.S., University of Wisconsin, 1954

*In Music Education*

JANET LOUISE VAN MATRE MEYER, B.S., M.S., 1949, 1951  
 MARILYN RUTH PFLEDERER, B.Mus., Illinois Wesleyan University, 1951; M.S., 1955  
 BENNETT REIMER, B.S., State University of New York College of Education (Fredonia), 1954; M.S., 1955

**Degree of Doctor of Musical Arts**

JAMES AVERY HOFFMANN, B.Mus., New England Conservatory of Music, 1951; B.Mus., M.Mus., Yale University, 1952, 1953  
 FRANK ROBERT SHALLENBERG, B.Mus., B.Mus.Ed., Phillips University, 1953, 1953; M.Mus., 1957

**Degree of Master of Arts***In Art History*

DEBORAH ANN JONES, A.B., Elmira College, 1962

*In Economics*

EUGENE STANLEY BUINO, B.S., DePaul University, 1962  
 LAWRENCE ARTHUR RUFLEY, A.B., Manchester College, 1962

*In English*

ANNE TROPP, A.B., Cornell University, 1961

*In French*

CHRISTINA VON HÜLPHERSHAUSEN ABDELLA, A.B., 1962  
 DARRYL BRUCE WILSON, A.B., Augustana College, 1959

*In History*

RICHARD WHEELER CALLENDER, A.B., 1959  
 MICHAEL FRANCIS FOLEY, JR., A.B., American International College, 1961  
 JAMES HARRY FORSE, A.B., State University of New York College of Education (Albany), 1962  
 PAUL DAVID HÉBERT, A.B., Knox College, 1961  
 FREDERICK EDWARD LAURENZO, A.B., Houghton College, 1961  
 JAMES RUSSELL MCCOSH, A.B., 1953; B.D., Northern Baptist Theological Seminary, 1956  
 GLENN OSMOND NICHOLS, A.B., Franklin and Marshall College, 1961  
 JEROME RICHARD ROSENBERG, A.B., Knox College, 1959

*In Labor and Industrial Relations*

PHILIP GRABER, B.S., 1961  
 GEORGE ROBERT ITTEL, A.B., Amhurst College, 1960  
 ALLAN DAVID SILBERMAN, A.B., Miami University, 1957

*In Mathematics*

RICHARD KARL COBURN, B.S., Utah State University, 1943

*In Political Science*

LOUIS SILVERSTEIN, B.B.A., College of the City of New York, 1962

*In Psychology*

STEPHEN LEWIS CARMEAN, A.B., 1960

JOHN EDWARD HUNTER, B.S., University of New Mexico, 1961

EVA DELL MAURER, B.S., Illinois State Normal University, 1959

*In Spanish*

ARTHUR JOE PIANA, A.B., 1943

ALICE LUELLEN WATSON, A.B., Marietta College, 1961

**Degree of Master of Science***In Accountancy*

SAMUEL LEE BARNETT, B.S., Miami University, 1961

DONALD GLENNON HOHE, B.S., Washington University, 1958

*In Advertising*

DAVID PAUL WINKELMANN, B.S., 1961

*In Agricultural Economics*

HARRY JOSEPH BOURN, B.S., 1962

CHARLES EDWARD HARSHBARGER, JR., B.S., 1962

*In Agricultural Engineering*

GARY LEE STAHL, B.S., 1962

JACK LYNN WOERNER, B.S., Washington State University, 1961

*In Agronomy*

DARRELL WAYNE NELSON, B.S., 1961

CHARLES DUANE SOPHER, B.S., Western Illinois University, 1961

*In Ceramic Engineering*

RONALD WILLIAM KNAKE, B.S., 1962

*In Chemical Engineering*

KLANE F FORSGREN, B.E.S., Brigham Young University, 1961

KENNETH WILLIAM HALEY, B.S., Stanford University, 1961

DEAN LEROY ULRICHSON, B.S., University of Nebraska, 1962

*In City Planning*

DONALD EDGAR BAILEY, B.B.A., University of Wisconsin, 1953

RAYMOND CLIFFORD ROBINSON, JR., B.Arch., Kent State University, 1961

*In Civil Engineering*

RONALD KEITH BREWER, B.S., 1962

ROBERT NANCE LESLIE, B.S., 1962

*In Commercial Teaching*

LOUIS HOWARD FLECK, B.S., 1953

*In Dairy Science*

DONALD CLARENCE BEITZ, B.S., 1962

*In Dairy Technology*

MUHSIN MOHAMMED ALI AL-SHABIBI, B.S., University of Bagdad, 1957

*In Education*

MARGARET ELIZABETH COSTLOW DYSON, B.S., South Dakota State College of Agriculture and Mechanic Arts, 1940

LAWRENCE THOMAS FRASE, A.B., University of Miami, 1960

DEVORE EUGENE KILLIP, B.S., D.D.S., 1945, 1947

ROGER ESMOND MARTIN, A.B., 1958

*In Electrical Engineering*

KENNETH LEROY SEIB, B.S., Evansville College, 1960  
MARVIN LEE WAHL, B.S., 1962

*In Finance*

FRED RICHARD DIEZ, B.S., Elmhurst College, 1958  
AHMAD DAUOD MOHAMMAD ISSA, B.S., 1962

*In Food Science*

SAMUEL ANTHONY PALUMBO, B.S., Loyola University, 1961  
VINCENT THEODORE RIECK, B.S., 1962

*In Geology*

GREGORY THOMAS SPANSKI, B.S., University of Missouri School of Mines and Metallurgy, 1961  
CYNTHIA ROSEMAN WRIGHT, A.B., Augustana College, 1960

*In Home Economics*

MARTHA JEAN KIELHORN GAINES, B.S., 1962  
JEANNE LOUISE HAFSTROM, B.S., 1958  
JANE ELIZABETH HUMPHREY, B.S., 1961  
DELIA ARMIDA NAVARRETE, Graduate, University of Honduras, 1958  
ANNA ELIZABETH RAUBENHEIMER, B.S., 1963  
KAY MARILYN WEBEL, B.S., Western Illinois University, 1961

*In Horticulture*

EDWARD LAW ROSE, B.S., 1962

*In Journalism*

RUSSELL LEE HERRON, B.S., Eastern Illinois University, 1957

*In Library Science*

NAJAF ALI KHAN, B.S., Panjab University, 1956

*In Management*

ROGER DUANE RODERICK, B.S., Eastern Illinois University, 1960

*In Marketing*

FRANK LUPI, B.S., 1961

*In Mathematics*

KYAW MYA THEIN, B.S., M.S., 1959, 1961

*In Metallurgical Engineering*

ALBERT GUSTAV JORDAN, B.S., Purdue University, 1962  
WEI TONG SHIEH, Grad., Taiwan Provincial Taipei Institute of Technology, 1955;  
B.A.Sc., University of Toronto, 1961

*In Physical Education*

ROBERT WAYNE GRUENINGER, B.S., Springfield College, 1962

*In Physics*

JOHN G. HUBER, B.S., Stanford University, 1962

*In Sanitary Engineering*

MILLARD WAYNE HALL, B.Eng., Vanderbilt University, 1962  
WALTER NEILL THOMASSON, B.Eng., Vanderbilt University, 1962

*In Theoretical and Applied Mechanics*

ELMER EUGENE REIS, JR., B.S., 1962  
LAXMAN SAKHARAM SANE, B.Eng., M. Eng., University of Poona, 1953, 1961  
SOSROWINARSO SOSRODININGRAT, Doctor, Institute of Technology (Bandung), 1955

*In Veterinary Medical Science*

SAHEB SINGH AHLUWALIA, B.S., M.S., Agra University, 1952, 1959

*In Zoology*

DAVID LEON STOCUM, A.B., Susquehanna University, 1961

**Degree of Master of Music**

DIXIE RODEHAVER BIELENBERG, B.Mus., 1961

CAROLYN SUE JACKSON, B.Mus., Indiana University, 1962

**Degree of Master of Education**

ROBERT EDWARD BURNS, A.B., Blackburn College, 1957

MARJORIE WALLER CARTER, B.S., Eastern Illinois University, 1951

KENNETH LEE GRAHAM, B.S., Memphis State University, 1960

DAVID MONK, B.S., Diploma, University of Sydney, 1955, 1956

**Degree of Master of Accounting Science**

GARY NEIL ERVIN, B.S., 1962

**Advanced Certificate***In Education*

FRANK ARDEEN BRIDGEWATER, B.S., M.S., 1946, 1950

**COLLEGE OF AGRICULTURE****Degree of Bachelor of Science***In Home Economics*

KATHRYN JANET COLLINS

*In Home Economics Education*

JANET AKIN FARO, Honors

**COLLEGE OF ENGINEERING****Degree of Bachelor of Science***In Aeronautical and Astronautical Engineering*

WILLIAM STANLEY EBERHART

*In Civil Engineering*

JOHN ANDREW SANDEEN

DAVID LEE TRAVER, High Honors

*In General Engineering*

TODD SHELDON PARKHURST

*In Electrical Engineering*

ALAN LEE FENSIN

EUGENE CLARENCE PUDIL

*In Engineering Physics*

PHILIP ERNEST STICHA

**COLLEGE OF LIBERAL ARTS AND SCIENCES****Degree of Bachelor of Arts***In Liberal Arts and Sciences*

WILLIAM FREDERIC BECKMAN

DORIS PAUL HUNTER

JAMES RICHARD HAMMOND

DAVID EUGENE SCHOB

PATRICIA ANN HORNICK

HOWARD BLOUGH WILLIAMSON

*In the Teaching of Social Studies*

MILTON PAUL NOVAK

**Degree of Bachelor of Science***In Liberal Arts and Sciences*DALE BRIAN ENGQUIST  
BURTON GITLES

PAUL EARL HEPNER, JR.

**COLLEGE OF EDUCATION****Degree of Bachelor of Science***In Elementary Education*STEPHANTE CHERRY BALTER  
MARLENE SCHARF ENGBERG**COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION****Degree of Bachelor of Science***In Accountancy*

STEPHEN BLANSETT HILL, High Honors

*In Commercial Teaching*

ADELE LYNN HERDT

*In Finance*

HOWARD JEROME SIEGEL

*In Marketing*

ALBERT JAYE TILL

*In Secretarial Training*

L. PAULINE VAUGHAN

**COLLEGE OF FINE AND APPLIED ARTS****Degree of Bachelor of Music**

LYNNE WOODS, Honors

**COLLEGE OF PHYSICAL EDUCATION****Degree of Bachelor of Science***In Recreation*

PATRICIA MARIE KORTKAMP

**COLLEGE OF VETERINARY MEDICINE****Degree of Bachelor of Science***In Veterinary Medicine*WILLIAM EDWARD FABIAN  
CHARLES WILLIAM SALZMAN

NORMAN STEVEN SILVERSTEIN

**SECRETARY'S REPORTS**

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; cancellations, declinations, resignations, and terminations; leaves of absence; cancellation of sabbatical leave of absence.

**APPOINTMENTS MADE BY THE PRESIDENT**

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

ADAMS, WILLIAM C., Instructor in Physical Education for Men,  $\frac{2}{3}$  time, academic year beginning September 1, 1963, \$3,800, supersedes (9-12-63).

ALEXANDROU, NICHOLAS E., Research Associate in Chemistry, five months from September 1, 1963, \$508.33 a month (9-26-63).

- ALL, ISRAR, Research Assistant in Biological Chemistry (Medicine), one year from September 1, 1963, \$5,150 (10-3-63).
- ALLEN, JOHN W., Assistant in Economics,  $\frac{1}{2}$  time, nine months from September 16, 1963, \$2,275, and Assistant in Finance,  $\frac{1}{2}$  time, September 16, 1963-January 31, 1964, \$1,050, supersedes (10-2-63).
- ALLERHAND, ADAM, Instructor in Physical Chemistry, academic year beginning September 1, 1963, \$6,800 (9-4-63).
- ALSOBROOK, JAMES M., JR., Visiting Assistant Professor of Psychology,  $\frac{2}{3}$  time, one year from September 1, 1963, \$5,880 (9-26-63).
- ANDERSON, LYNN R., Instructor in Psychology,  $\frac{1}{3}$  time, and Research Associate in Psychology,  $\frac{1}{3}$  time, academic year beginning September 1, 1963, \$3,400 (9-5-63).
- ANDERSON, WILLIAM L., Research Associate in the State Natural History Survey and in the Graduate College,  $\frac{1}{2}$  time, seven months from November 1, 1963, \$1,919.19, and full time, one month from June 1, 1964, \$548.33, supersedes (9-27-63).
- ANTONY, KIZHAKKEVALIAVEEDU S., Assistant in Physics, Department of Chemistry (Pharmacy), nine months from September 16, 1963, \$4,200 (9-23-63).
- APPLEBEE, ROGER K., Associate Director of Cooperative Research Project No. 1994, Department of English, one year from September 1, 1963, \$10,500 (9-26-63).
- ARLT, MRS. PHYLLIS B., Instructor in Speech and Theatre,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,520 (9-26-63).
- ARO, AURELIA M., Instructor in Pharmacognosy and Pharmacology (Pharmacy),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$2,950, supersedes (9-20-63).
- AST, MRS. MARIA E., Instructor in Foreign Languages (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$5,000 (9-4-63).
- ATLAS, AMOS, Research Associate in Theoretical and Applied Mechanics (C), academic year beginning September 1, 1963, \$5,700 (9-13-63).
- BAIN, WILLIAM H., Instructor in Educational Administration (College of Education), one year from September 1, 1963, \$7,500 (8-31-63).
- BAKER, HAROLD A., Visiting Lecturer in Law, September 12, 1963, and continuing until further notice but not beyond January 31, 1964, \$1,000 a month (9-30-63).
- BAKRI, MAARIB, Assistant in Botany,  $\frac{1}{2}$  time, and Research Assistant in Botany,  $\frac{1}{2}$  time, September 16, 1963-January 31, 1964, \$2,100 (10-1-63).
- BANERJEE, AMAL C., Research Assistant in Agricultural Entomology (C),  $\frac{1}{2}$  time, nine months from September 1, 1963, \$216.67 a month, and full time, three months from June 1, 1964, \$433.33 a month (8-31-63).
- BARKER, RONNIE C., Research Assistant in Chemistry, September 16, 1963-August 31, 1964, \$4,945 (9-27-63).
- BARTKY, SANDRA S., Instructor in Philosophy (Chicago Undergraduate Division),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,000 (9-4-63).
- BASU, GOBINDA L., Research Associate in Chemistry, one year from September 1, 1963, \$6,800 (9-26-63).
- BAULING, DOUGLAS B., Instructor in Agricultural Engineering (C and S), one year from September 1, 1963, \$8,000 (9-26-63).
- BAYM, GORDON A., Research Assistant Professor of Physics, academic year beginning September 1, 1963, \$8,100, supersedes (9-23-63).
- BAZZAZ, FAKHRI, Visiting Assistant Professor of Botany, nine months from September 16, 1963, \$6,700 (9-25-63).
- BEAVERS, JOSEPH E., Assistant Professor and Adjutant of Military Science, August 1, 1963-August 31, 1964, \$600 a year (8-19-63).
- BECK, CHARLES E., Consultant in Psychiatry, Health Service, one year from September 1, 1963, without salary (9-25-63).
- BELL, MRS. CHRISTEL W., Assistant in German, September 16, 1963-January 31, 1964, \$2,300, supersedes (9-27-63).
- BENZEL, JAMES F., Research Associate in Ceramic Engineering (S), full time, September 1-15, 1963, and  $\frac{1}{3}$  time, September 16, 1963-May 31, 1964, \$2,000, supersedes (9-19-63).
- BERNSTEIN, IRA H., Research Associate and Instructor in Psychology, academic year beginning September 1, 1963, \$5,000 (9-20-63).

- BLUMENTHAL, MRS. SHIRLEE, Instructor in English, first semester of academic year, September 1, 1963-January 31, 1964, \$2,600 (9-4-63).
- BOGDANSKA, MRS. HALINA, Research Associate in Animal Science (S), one year from September 1, 1963, \$6,500, supersedes (9-20-63).
- BOS, WILLIAM G., Research Associate in Chemistry, one year from September 1, 1963, \$6,300 (9-19-63).
- BREHMAN, GEORGE E., JR., Assistant in Educational Administration, nine months from September 16, 1963, \$4,500 (9-20-63).
- BROOKS, F. LESLIE, Instructor in Physical Chemistry, academic year beginning September 1, 1963, \$7,500 (9-26-63).
- BROOM, GLEN M., Assistant Extension Editor, with rank of Instructor (E), September 16, 1963-August 31, 1964, \$6,133.30, supersedes (9-3-63).
- BROWN, RICHARD M., Research Assistant in Ceramic Engineering (C), eleven months from October 1, 1963, \$7,000 a year, supersedes (10-2-63).
- CAMERON, EDMUND S., Instructor in Inorganic Chemistry,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,200 (9-9-63).
- CARPER, MRS. GLADYS, House Director, Temporary Housing at 1112 West California Avenue, Urbana, September 8, 1963-January 23, 1964, \$900; for the convenience of the University, she will also receive room and meals at Busey Dining Rooms while the dining rooms are in operation (10-3-63).
- CARR, KENNETH R., Instructor in Electrical Engineering (C),  $\frac{1}{4}$  time, to render service during the first semester of the academic year beginning September 1, 1963, \$675 (10-1-63).
- CARRAWAY, CORALIE A., Research Assistant in Chemistry, one year from September 1, 1963, \$5,400 (9-11-63).
- CARSELLO, CARMEN J., Counselor (Reading Improvement Laboratory), Student Counseling Service, and Instructor in Education (Chicago Undergraduate Division), one year from September 1, 1963, \$9,200 (9-27-63).
- CARTER, HERBERT E., Acting Dean of the Graduate College, beginning September 1, 1963, and continuing until further notice, \$1,000 a year; this is in addition to his present appointment as Professor of Biochemistry and Head of the Department of Chemistry and Chemical Engineering; supersedes (9-3-63).
- CHAMP, DAVID G., Instructor in Architecture, academic year beginning September 1, 1963, \$6,500 (9-3-63).
- CHAPMAN, MRS. MARGUERITE R., Instructor in Medical Social Work (Medicine), one year from September 1, 1963, \$7,500 (9-20-63).
- CHAPMAN, PETER J., Research Associate in Chemistry, one year from September 1, 1963, \$7,000, supersedes (9-26-63).
- CHEIFETZ, DAVID I., Assistant Professor of Nursing,  $\frac{1}{4}$  time, September 30-December 20, 1963, and March 23-June 12, 1964, total salary \$1,550 a year; this is in addition to his appointment as Assistant Professor of Psychology, Department of Psychiatry (Medicine), without salary (10-3-63).
- CLAGGETT, W. STEPHEN, Assistant in Agricultural Law (Agricultural Economics) (E), two months from October 1, 1963, \$511.12 a month (10-5-63).
- CLAUSING, ARTHUR M., Assistant Professor of Mechanical Engineering (C), academic year beginning September 1, 1963, \$9,000, supersedes (9-26-63).
- COLEMAN, PHILIP Y., Instructor in English,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,500 (9-20-63).
- COLSMAN, DONNA L., Instructor in Medical Social Work (Medicine), August 26, 1963-August 31, 1964, \$6,200 a year (9-4-63).
- COMPTON, MARION E., Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1963, \$5,600, supersedes (9-17-63).
- COOLEY, HAROLD N., Assistant Administrative Dean in the Vice-President's Office (Chicago Undergraduate Division), two years from September 1, 1963, \$14,000 a year, supersedes (9-4-63).
- CORNELL, HARRISON K., Educational Script Writer in Broadcasting and Television-Motion Pictures (College of Journalism and Communications), one year from September 1, 1963, \$7,000 (9-4-63).
- COTTRELL, FRANCES B., Assistant in Botany, nine months from September 16, 1963, \$4,200, supersedes (9-27-63).

- CRAWFORD, JAMES E., Assistant Director of Housing for Undergraduate Residence Halls (Physical Plant and Office of Dean of Students), one year from September 1, 1963, \$9,000; for the convenience of the University, he will also receive room and board; supersedes (9-4-63).
- CREMER, BENNETT J., Staff Physician in the Health Service, September 9, 1963-June 30, 1964, \$14,000 a year (10-2-63).
- CROY, LAVOY I., Assistant in Crop Physiology (Agronomy) (S), full time, September 1-15, 1963, \$233.33, and  $\frac{1}{4}$  time, September 16, 1963-August 31, 1964, \$1,341.71, supersedes (9-4-63).
- DAVIES, MICHAEL S., Instructor in Electrical Engineering (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$2,500, supersedes (8-31-63).
- DAVIS, E. E., Visiting Instructor in Psychology,  $\frac{3}{5}$  time, nine months from September 16, 1963, \$4,400 (9-26-63).
- DEAM, EDWARD L., Associate Professor of Architecture (Chicago Undergraduate Division), indefinite tenure from October 1, 1963, to render service during each academic year, \$12,600 a year, supersedes (10-3-63).
- DEFOTIS, WILLIAM, Assistant Professor of General Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$7,300, supersedes (9-4-63).
- DE MARCO, WILLIAM, Visiting Instructor in Psychology,  $\frac{1}{2}$  time, nine months from September 16, 1963, \$3,000 (9-19-63).
- DERBYSHIRE, WILLIAM, Research Associate in Chemistry, one year from September 1, 1963, \$6,500, supersedes (9-20-63).
- DETERT, DAVID G., Research Assistant in Electrical Engineering (S), one year from September 1, 1963, \$5,600 (9-3-63).
- DEVITO, ROBERT A., Research Assistant in Psychiatry (Medicine), August 1, 1963-August 31, 1964, without salary (9-19-63).
- DHAWAN, DEVINDRA, Research Associate in Chemistry (Pharmacy), one year from September 1, 1963, \$6,600 (9-20-63).
- DIXIT, SARVU N., Research Associate in Chemistry (Pharmacy), one year from September 1, 1963, \$6,360 (9-4-63).
- DOTY, DARNEY B., Instructor in General Engineering (C),  $\frac{1}{4}$  time, September 16, 1963-January 31, 1964, \$750 (9-4-63).
- DOWNING, ROBERT W., Research Physicist, College of Engineering, one year from September 1, 1963, \$7,000, supersedes (9-4-63).
- EERSPACH, GUENTER, Instructor in German, academic year beginning September 1, 1963, \$6,300 (9-26-63).
- EHRMAN, JOHN R., Research Assistant Professor of Physics (Digital Computer Laboratory), two years from September 1, 1963, to render service during each academic year, \$8,500 a year (9-26-63).
- EISEN, NATHANIEL H., Assistant Professor of Psychology,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$4,500 (9-24-63).
- ELKINS, HARRY R., Assistant in the Institute of Aviation, one year from September 1, 1963, \$6,000 (9-7-63).
- ENGEL, MILTON B., Professor of Orthodontics (Dentistry),  $\frac{3}{5}$  time, indefinite tenure from September 1, 1963, \$9,600 a year, supersedes (9-27-63).
- FABER, L. PENFIELD, Clinical Instructor in Surgery (Medicine), one year from September 1, 1963, without salary (9-20-63).
- FARA, HARRY, Research Associate in Mining, Department of Mining, Metallurgy, and Petroleum Engineering (C),  $\frac{3}{4}$  time, September 16, 1963-January 31, 1964, \$2,249.81 (10-1-63).
- FEDER, CECILE S., Instructor in Mathematics (Chicago Undergraduate Division),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,100 (9-4-63).
- FEINBERG, ARNOLD, Research Assistant in Civil Engineering (C), nine months from September 16, 1963, \$4,600, supersedes (9-4-63).
- FELDMAN, SHEDON, Research Assistant Professor in the Institute of Communications Research (College of Journalism and Communications),  $\frac{1}{2}$  time, and of Psychology (College of Liberal Arts and Sciences),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$8,000 (10-3-63).
- FERBER, MRS. MARIANNE A., Lecturer in Economics, September 16, 1963-January 31, 1964, \$4,000 (9-26-63).
- FISCHER-WYBREGT, SUSANNE H., Research Associate in Pediatrics (Medicine), one year from September 1, 1963, \$6,640 (10-3-63).



- FISHERMAN, ELMER W., Clinical Associate in Medicine (Medicine), one year from September 1, 1963, without salary (9-25-63).
- FLEGER, JAMES L., Research Associate in Dairy Science (S), one year from September 1, 1963, \$6,750 (9-4-63).
- FLEISCHER, WERNER R., Clinical Assistant Professor of Pathology (Medicine),  $\frac{3}{4}$  time, eight months from October 1, 1963, \$600 a month (8-21-63).
- FLENNER, MRS. JACQUELINE W., Research Programmer in the Digital Computer Laboratory, September 16, 1963-August 31, 1964, \$3,500 a year (9-26-63).
- FORD, NEIL M., Research Associate in the Bureau of Economic and Business Research, one year from September 1, 1963, \$6,100 (10-1-63).
- FOWLER, WYMAN B., JR., Research Associate in Metallurgical Engineering (C), nine months from December 1, 1963, \$8,000 a year, supersedes (9-25-63).
- FRANKMANN, MRS. JUDITH P., Assistant Professor of Psychology,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$2,500 (9-20-63).
- GARRETT, BARRY B., Research Associate in Chemistry, one year from September 1, 1963, \$6,300 (9-19-63).
- GDALMAN, LOUIS, Clinical Instructor in Pharmacy (Pharmacy), September 3, 1963-August 31, 1964, without salary (9-20-63).
- GEORGE, T. V., Research Assistant in Electrical Engineering (C), one year from September 1, 1963, \$6,400, supersedes (9-3-63).
- GERARDO, JAMES, Research Associate in Electrical Engineering (S), one year from September 1, 1963, \$10,000 (9-26-63).
- GHOSH, BINAY KUMAR, Research Associate in Chemistry (Pharmacy), eleven months from October 1, 1963, \$6,500 a year (9-20-63).
- GILLFILLAN, RICHARD A., Assistant and Extension Marketing Specialist in Agricultural Economics (E), nine months from September 16, 1963, \$5,415 (9-4-63).
- GLISSENDORF, OWEN F., Assistant Editor, with rank of Assistant Professor (S), October 7, 1963-August 31, 1965, \$9,300 a year (9-26-63).
- GOLAND, PHILIP, Research Associate in Orthodontics (Dentistry), eleven months from October 1, 1963, \$10,000 a year, supersedes (10-3-63).
- GOLDMAN, ELAINE D., Assistant in Mathematics (Chicago Undergraduate Division), nine months from September 16, 1963, \$4,800 (9-4-63).
- GORE, MRS. PEARL M., Assistant Professor of Psychology, two years from September 1, 1963, to render service during each academic year, \$7,300 a year, supersedes (9-19-63).
- GRABER, MRS. DORIS A., Lecturer in Political Science (Chicago Undergraduate Division),  $\frac{3}{4}$  time, nine months from September 16, 1963, \$1,900 (9-4-63).
- GRANIRER, EDMOND E., Instructor in Mathematics, academic year beginning September 1, 1963, \$7,000 (9-4-63).
- GRANT, E. RHODA, Research Associate in Pathology (Medicine), eleven months from October 1, 1963, \$8,500 a year, supersedes (9-27-63).
- GREENFIELD, GEORGE B., Clinical Instructor in Radiology (Medicine), 15/100 time, September 15, 1963-August 31, 1964, \$2,220 a year, supersedes (9-27-63).
- GREENLEE, MRS. NANCY A., Assistant in Education (University High School), nine months from September 16, 1963, \$5,300 (9-11-63).
- GRIMM, CLYDE L., JR., Assistant Professor of English, academic year beginning September 1, 1963, \$7,000 (9-19-63).
- GUEVARA, PEDRO A., JR., Instructor in Prosthodontics (Dentistry), one year from September 1, 1963, \$7,500 (9-27-63).
- GUNTHER, RICHARD I., Instructor in Fixed Partial Prosthodontics (Dentistry),  $\frac{1}{2}$  time, one year from September 1, 1963, \$4,250, supersedes (9-27-63).
- GUPTA, OM PRAKASH, Assistant Professor of Radiology (Dentistry), October 1, 1963-August 31, 1965, \$10,500 a year (9-27-63).
- HAFELE, JOSEPH C., Assistant in Physics (C),  $\frac{1}{2}$  time, September 16, 1963-January 31, 1964, \$1,150, and Research Assistant in Physics,  $\frac{1}{2}$  time, one year from September 1, 1963, \$2,810, supersedes (9-4-63).
- HAIR, BENJAMIN M., Clinical Assistant Professor of Preventive Medicine (Medicine), one year from September 1, 1963, without salary (9-27-63).
- HALL, DARL M., Associate Professor, Leader of Extension Studies, Cooperative Extension (E), September 15, 1963-March 14, 1964,  $\frac{1}{4}$  time, \$1,290 (9-26-63).
- HAMILTON, HERBERT, Research Assistant Professor of Sociology (College of Liberal Arts and Sciences), without salary, and in the Bureau of Community

- Planning, 55/100 time, and in the Institute of Communications Research, 45/100 time, academic year beginning September 1, 1963, \$7,200 (9-19-63).
- HAMLIN, ROY M., Professor of Psychology, 17/100 time, indefinite tenure from September 1, 1963, to render service during each academic year, \$2,100 (9-23-63).
- HANCOCK, ROGER N., Visiting Assistant Professor of Philosophy, nine months from September 16, 1963, \$7,600 (9-26-63).
- HANSON, MRS. DOLORES M., Assistant Editor in the Public Information Office,  $\frac{3}{4}$  time, eleven months from October 1, 1963, \$4,500 a year, supersedes (10-2-63).
- HARBAUGH, TERENCE E., Research Assistant in Civil Engineering (C), nine months from September 16, 1963, \$6,000 (9-4-63).
- HEBING, CHARLES, Instructor in Operative Dentistry (Dentistry),  $\frac{3}{8}$  time, one year from September 1, 1963, \$5,400, supersedes (9-20-63).
- HEFFINGTON, MARVIN D., Instructor in the Division of Intramural Activities (College of Physical Education), October 1, 1963-June 15, 1964, \$6,450 a year, supersedes (9-26-63).
- HEINZE, SHIRLEY J., Assistant Professor of Psychology, Department of Psychiatry and Department of Otolaryngology (Medicine), one year from September 1, 1963, \$9,500 (8-28-63).
- HENDRON, ALFRED J., JR., Assistant Professor of Civil Engineering (C), two years from September 1, 1963, to render service during each academic year, \$8,100 a year (9-27-63).
- HEWITSON, RICHARD E., Instructor in Chemistry (Pharmacy),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,000 (9-20-63).
- HINELY, MRS. JAN ANN L., Instructor in English, academic year beginning September 1, 1963, \$6,800 (9-4-63).
- HIRAI, KENJI, Research Assistant in Aeromedical Laboratory (Medical Center, Chicago) one year from September 1, 1963, \$5,700 (8-26-63).
- HOELSCHER, RANDOLPH P., Professor of General Engineering (C), 3/10 time, September 16, 1963-January 31, 1964, \$1,800 (9-26-63).
- HOLMES, ROBERT P., Instructor in Architecture, academic year beginning September 1, 1963, \$6,800 (9-4-63).
- HOOVER, MRS. JEANETTE J., Physician in the Health Service (Medical Center, Chicago),  $\frac{4}{5}$  time, one year from September 1, 1963, \$8,800 (9-19-63).
- HOUCK, RUSSELL L., Assistant in Biology (Chicago Undergraduate Division), nine months from September 16, 1963, \$4,800 (9-4-63).
- HUDSON, MRS. JANETTE C., Assistant in German, September 16, 1963-January 31, 1964, \$2,100 (10-5-63).
- HUGGINS, RAYMOND W., Visiting Research Associate in Electrical Engineering (C), September 16, 1963-August 31, 1964, \$8,000 a year (9-20-63).
- HULTZEN, LEE S., Professor of Speech and Linguistics, indefinite tenure from September 1, 1963, to render service during each academic year, \$11,000 a year, supersedes (9-26-63).
- HUMPHREYS, ROBERT L., Assistant in Animal Science (S), November 6, 1963-August 31, 1964, \$4,670.83 (9-20-63).
- IRGENS, ROAR, Research Associate in Dairy Science (S), one year from September 1, 1963, \$6,800 (9-3-63).
- JAMES, JOSEPH A., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), July 22, 1963-August 31, 1964, \$7,200 a year (8-31-63).
- JANES, ROBERT W., Associate Professor of Sociology, five months from October 1, 1963, \$858.33 a month, supersedes (9-19-63).
- JANUSZKO, DANUTA, Clinical Instructor in Physical Medicine and Rehabilitation (Medicine), eleven months from October 1, 1963, without salary (10-2-63).
- JONES, ROBERT E., Lecturer in Psychology, with rank of Associate Professor,  $\frac{1}{2}$  time, September 16, 1963-January 31, 1964, \$1,650 (9-26-63).
- JORDAN, LAURA J., Assistant Professor of Special Education (Institute for Research on Exceptional Children), one year from September 1, 1963, \$9,600 (9-4-63).
- JORDAN, MRS. LOUISE C., Research Assistant in Microbiology, August 16, 1963-August 31, 1964, \$5,364.63 (9-5-63).
- KAHN, WALTER J., Instructor in Ophthalmology (Medicine),  $\frac{4}{5}$  time, one year from September 1, 1963, \$6,720 (9-20-63).

- KAISER, HENRY F., Professor of Educational Psychology (College of Education), indefinite tenure from September 1, 1963, \$16,000 a year; and Professor of Psychology (College of Liberal Arts and Sciences), without salary (9-26-63).
- KATZ, EVELYN W., Research Assistant Professor of Psychology (College of Liberal Arts and Sciences), and in the Institute of Communications Research (College of Journalism and Communications),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$4,000 (9-20-63).
- KELLERHOUSE, LELAND E., JR., Research Assistant in Medicine (Medicine), one year from July 1, 1963, without salary (9-23-63).
- KELLOGG, MRS. ISABEL M., Assistant Professor of Occupational Therapy (Medicine),  $\frac{3}{4}$  time, September 1-October 10, 1963, \$531.25 a month, supersedes (8-26-63).
- KEPLER, MRS. NANCY O., Assistant in Home Economics (S), one year from September 1, 1963, \$5,900 (9-11-63).
- KERANEN, DOLORES, Instructor in the Humanities (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$5,200 (10-3-63).
- KIM, SERENA, Project Assistant in the State Natural History Survey and in the Graduate College, four months from September 1, 1963, \$900 (9-3-63).
- KLAPMAN, HOWARD J., Instructor in Psychiatry (Medicine), one year from September 1, 1963, without salary (10-2-63).
- KLEHR, HAROLD, Associate Professor of Psychology, indefinite tenure, and director of Student Counseling Service, one year (Chicago Undergraduate Division), from September 1, 1963, \$13,700 a year, supersedes (8-26-63).
- KOLB, MRS. DOROTHY, Assistant in German, September 16, 1963-January 31, 1964, \$2,500 (10-2-63).
- KOTLER, NANCY K., Instructor in English (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the first semester of the academic year, September 1, 1963-January 31, 1964, \$1,300 (9-4-63).
- KOTT, NANCY, Project Assistant in the State Natural History Survey and in the Graduate College, September 16, 1963-December 31, 1963, \$1,137.50 (9-20-63).
- KREHBIEL, ROBERT H., Professor of Anatomy at the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, for the day August 1, 1963, and resuming service August 19, 1963, continuing through August 31, 1963, \$16,195 a year, and for the period September 1, 1963, through August 17, 1965, \$16,989 a year; and Professor of Anatomy (Medicine), indefinite tenure from September 1, 1965 for the academic year (9-5-63).
- KUMARICH, DAN, Instructor in Operative Dentistry (Dentistry),  $\frac{4}{5}$  time, one year from September 1, 1963, \$6,400, supersedes (9-27-63).
- KYSAR, JOHN E., Director of Health Service and Assistant Professor of Hygiene (Chicago Undergraduate Division), 7/10 time, one year from September 1, 1963, \$13,500, supersedes (9-4-63).
- LABANOWICH, STANLEY, Supervisor of Recreation and Athletics, with rank of Instructor, Division of Rehabilitation-Education Service (College of Physical Education), one year from September 1, 1963, \$7,250 (9-26-63).
- LAITINEN, HERBERT A., Professor of Analytical Chemistry, and Associate Head of the Department of Chemistry and Chemical Engineering, indefinite tenure from September 1, 1963, to render service during each academic year, \$20,300 a year, supersedes (9-24-63).
- LAND, VERA F. C., Assistant in Foreign Languages (Chicago Undergraduate Division), nine months from September 16, 1963, \$4,800 (10-3-63).
- LEE, MRS. LEAH S., Research Assistant in Law, six months from September 1, 1963, \$3,450, and Research Assistant in the Graduate College, six months from March 1, 1964, \$3,450 (9-17-63).
- LEE, M. RAYMOND, Assistant Professor of Biological Science (Division of General Studies)  $\frac{2}{3}$  time, and Zoology,  $\frac{1}{3}$  time, two years from September 1, 1963, to render service during each academic year, \$8,200 a year, supersedes (9-3-63).
- LENER, BARBARA A., Instructor in Psychology, Department of Psychiatry (Medicine), eleven months from October 1, 1963, \$7,000 a year (9-19-63).
- LENER, LEON, Research Assistant in Biological Chemistry (Medicine), September 16, 1963-August 31, 1964, \$5,150 a year (10-3-63).
- LIVERMAN, ROBERT D., Instructor in Physical Education for Men,  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,400 (9-12-63).

- LOESER, CORNELIUS J., Instructor in Geography (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$6,750 (9-4-63).
- LOFTISS, EUGENE W., Research Assistant in Speech and Theatre, nine months from September 1, 1963, \$4,844.45 (9-27-63).
- LUKENS, SHIRLEY A., Instructor in Occupational Therapy (Medicine), one year from September 1, 1963, \$7,000 (9-4-63).
- MAGELL, JACK, Instructor in Surgery (Medicine),  $\frac{1}{2}$  time, August 29, 1963-February 29, 1964, \$2,000 (9-20-63).
- MAGLIONE, FRANK D., JR., Supervisor of Counseling, with rank of Instructor, Division of Rehabilitation-Education Services (College of Physical Education), one year from September 1, 1963, \$7,000 (9-26-63).
- MAHAFFEY, MRS. ANNA K., Instructor in Business Education (College of Commerce and Business Administration), academic year beginning September 1, 1963, \$5,200, supersedes (9-26-63).
- MANN, LINDSAY A., Research Assistant in English (Graduate College), September 16, 1963-January 31, 1964, and Assistant in English (College of Liberal Arts and Sciences), February 1-June 15, 1964, \$4,600 (10-2-63).
- MASON, JAMES H., Instructor in Surgery (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1963, \$4,900, supersedes (9-4-63).
- MATTHEWS, MRS. DOROTHY E., Instructor in English, academic year beginning September 1, 1963, \$6,800 (9-26-63).
- MATTHIAS, WILLIAM, JR., Extension Specialist in the Division of University Extension, one year from September 1, 1963, \$8,500 (9-3-63).
- MCDONALD, OWEN G., Clinical Assistant Professor of Surgery (Medicine),  $\frac{1}{4}$  time, one year from September 1, 1963, \$2,400 (9-4-63).
- MCGURK, FLORENCE F., Research Assistant in the State Water Survey and in the Graduate College, September 16, 1963-June 30, 1964, \$5,500 a year (9-11-63).
- MCQUEEN, R. DAVID, Instructor in Veterinary Physiology and Pharmacology (College of Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station), one year from September 1, 1963, \$10,500 (9-27-63).
- METROPOLE, MRS. SONIA, Instructor in Theoretical and Applied Mechanics (C),  $\frac{2}{3}$  time, academic year beginning September 1, 1963, \$3,733.34, supersedes (9-23-63).
- MEYER, EWY, Research Associate in Ophthalmology (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1963, \$4,200 (9-27-63).
- MILLER, ARNOLD L., Assistant Professor of Psychology,  $\frac{1}{3}$  time, academic year beginning September 1, 1963, \$2,900 (9-26-63).
- MIRZA, MAHMOOD BEG, Instructor in Mining Engineering (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,400 (10-3-63).
- MIYASATO, FUJIIHIKO, Research Assistant in Medicine (Medicine), one year from July 1, 1963, without salary (9-3-63).
- MOFFAT, JEAN E., Research Assistant in Medicine (Medicine), one year from September 1, 1963, \$6,000 (9-4-63).
- MOREL, JOHN L., Administrative Intern in the President's Office,  $\frac{1}{4}$  time, one year from September 1, 1963, \$1,500 (10-7-63).
- MORGAN, LEZLIE A., Research Assistant in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$5,540 (9-5-63).
- MORSHED, H., Research Assistant in Electrical Engineering (C), one year from September 1, 1963, \$5,300 (9-20-63).
- MOTTO, HARRY L., Research Associate in Soil Chemistry (Agronomy) (S), one year from September 1, 1963, \$7,500 (9-4-63).
- MOWAT, BRUCE, Instructor in Operative Dentistry (Dentistry),  $\frac{2}{3}$  time, academic year beginning September 1, 1963, \$2,620, supersedes (9-27-63).
- MROTEK, SHARON F., Assistant in Speech (Chicago Undergraduate Division), nine months from September 16, 1963, \$4,400 (9-4-63).
- NAGATA, TETSUJI, Research Associate in Physiology and Biophysics, eleven months from October 1, 1963, \$6,100 a year, supersedes (9-27-63).
- NAIMAN, MRS. SANDRA M., Instructor in English (Chicago Undergraduate Division), to render service during the first semester of the academic year, September 1, 1963-January 31, 1964, \$2,700 (9-4-63).
- NIETO-RAMIREZ, JOSE A., Research Associate in Civil Engineering (C), September 16, 1963-January 31, 1964, \$3,500 (9-3-63).

- NILSSON, ANNA, Research Associate in Animal Science (S), one year from September 1, 1963, \$6,500 (9-20-63).
- NONA, DANIEL A., Instructor in Pharmacy (Pharmacy),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$2,500 (9-20-63).
- NORTHOTE, R. S., Visiting Research Associate in the Digital Computer Laboratory, one year from January 13, 1964, \$7,945 (9-5-63).
- OATES, GEOFFREY D., Clinical Instructor in Surgery (Medicine),  $\frac{2}{3}$  time, August 30, 1963-August 31, 1964, \$3,000 (9-20-63).
- O'CONNOR, JOHN T., Assistant Professor of Sanitary Engineering (Civil Engineering) (C), academic year beginning September 1, 1963, \$8,500 (9-3-63).
- OFFER, DWIGHT F., Instructor in the Institute of Aviation, one year from September 1, 1963, \$8,000 (9-4-63).
- OMORI, DOROTHY K., Instructor in Occupational Therapy (Medicine), four months from September 1, 1963, \$6,700 a year (9-4-63).
- ORAN, CENAP, Assistant Professor of Civil Engineering (C and S), second semester of the academic year 1963-64, \$3,900 for the period (9-25-63).
- ORE, DONALD E., Instructor in Dentistry (Dentistry),  $\frac{3}{4}$  time, one year from September 1, 1963, \$4,800, supersedes (9-27-63).
- PAGE, BENJAMIN F., Instructor in the Graduate School of Library Science,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,000 (7-12-63).
- PALCIAUSKAS, RAYMOND, Instructor in Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$8,500 (9-4-63).
- PALMER, REX A., Research Associate in Chemistry, one month from September 1, 1963, \$558.33 (9-20-63).
- PARNAS, MRS. HANNA G., Research Assistant in Microbiology, August 16, 1963-August 31, 1964, \$5,625 (9-5-63).
- PATTERSON, LANE E., Field Assistant in the State Natural History Survey and in the Graduate College, September 1-15, 1963, \$300 a month (9-13-63).
- PATTERSON, VIRGINIA N., Assistant Professor of Radiology (Medicine) and Assistant Radiologist in the Research and Educational Hospitals, October 1, 1963-August 31, 1965, \$15,660 a year, supersedes (9-20-63).
- PATTISON, JEFFREY, Research Associate in Chemistry, one year from September 1, 1963, \$6,500 (10-2-63).
- PATTISON, VALERIE, Research Assistant in Botany, one year from September 1, 1963, \$5,150 (9-17-63).
- PEDERSOLI, WALDIR M., Instructor in Veterinary Physiology and Pharmacology (College of Veterinary Medicine),  $\frac{2}{3}$  time, one year from September 1, 1963, \$4,850 (9-20-63).
- PHELAN, J. F., Research Associate in Electrical Engineering (C), one year from September 1, 1963, \$9,000 (9-20-63).
- PIKE, JOHN R., Assistant Professor of Finance, academic year beginning September 1, 1963, \$8,000, supersedes (9-26-63).
- PRICE, RUFERT M., Associate Professor of Physics, indefinite tenure, and Associate Dean of Engineering, one year, from September 1, 1963 (Chicago Undergraduate Division), \$16,200 a year, supersedes (9-4-63).
- RACSTER, RONALD L., Assistant in Finance, full time, September 16, 1963-January 31, 1964, and  $\frac{1}{2}$  time, February 1-June 15, 1964, \$3,150, supersedes (10-2-63).
- RAFFELD, WILLIAM F., Instructor in Speech (Chicago Undergraduate Division),  $\frac{3}{4}$  time, academic year beginning September 1, 1963, \$3,120 (9-4-63).
- RAHN, STANLEY W., Assistant Director of Housing and Coordinator of Residential Services (Physical Plant and Dean of Students Office), one year from September 1, 1963, \$12,000; for the convenience of the University he will also receive one meal a day; supersedes (9-4-63).
- REID, H. GORDON, Associate Professor of Hygiene, Health Service (Chicago Undergraduate Division), indefinite tenure from September 1, 1963, \$15,400 a year, supersedes (9-4-63).
- RHIE, YOUNG H., Instructor in Mathematics (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$5,400 (9-4-63).
- RICHARDSON, GEORGE, Research Assistant in Physical Medicine and Rehabilitation (Medicine), August 15, 1963-August 31, 1964, \$5,200 a year (8-26-63).
- ROBERTSON, GILES B., Head of Public Services Division in the Library with rank of Associate Professor (Chicago Undergraduate Division), indefinite tenure from September 1, 1963, \$10,400 a year, supersedes (9-27-63).

- ROBINSON, STANLEY C., Professor of Business Administration, on indefinite tenure, without salary, and Dean of Division of University Extension, from October 1, 1963, and continuing through August 31, 1965, \$18,000 a year, supersedes (9-27-63).
- RODRIGUEZ, EDUARDO, Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1963, \$5,500, supersedes (9-11-63).
- ROOSA, WILLIAM B., Instructor in Anthropology (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$6,400 (9-27-63).
- RUBINSTEIN, DANIEL, Assistant in Botany, nine months from September 16, 1963, \$4,200 (9-19-63).
- SABEL, CHARLES L., Instructor in Psychology (Chicago Undergraduate Division), 83/100 time, academic year beginning September 1, 1963, \$4,750 (9-4-63).
- SANZONE, GEORGE J., Research Engineer in Chemistry (Mass Spectrometer),  $\frac{3}{4}$  time, academic year beginning September 1, 1963, \$6,500 (9-3-63).
- SCHACHT, MRS. SYLVIA N., Assistant in English, September 16, 1963-January 31, 1964, \$2,100 (10-2-63).
- SCHILLER, JONATHAN W., Coordinator of Music Communications (School of Music), one year from September 1, 1963, \$8,500 (9-3-63).
- SCHMIDT, PAUL J., Instructor in Ophthalmology (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1963, \$4,300 (9-4-63).
- SCHUYLER, NOAH R., Visiting Lecturer in Economics (Chicago Undergraduate Division),  $\frac{1}{2}$  time, September 1, 1963-February 29, 1964, to render service during the first semester of the academic year, \$2,000 (9-4-63).
- SEILHEIMER, RICHARD A., Assistant in Industrial Engineering (C), September 16, 1963-January 31, 1964, \$3,100 (9-25-63).
- SETH, SHANTI K., Research Associate in Microbiology, ten months from November 1, 1963, \$7,000 a year, supersedes (9-26-63).
- SHAPIRO, BRENDA, Instructor in Clinical Speech, Department of Otolaryngology (Medicine), eleven months from October 1, 1963, \$7,000 a year (10-3-63).
- SHERMAN, MICHAEL A., Instructor in Physical Education for Men, academic year beginning September 1, 1963, \$5,550, supersedes (9-12-63).
- SHUBERT, HARRY A., Instructor in Electrical Engineering (C), academic year beginning September 1, 1963, \$5,500, supersedes (9-4-63).
- SHULMAN, HAROLD S., Assistant Professor of Psychology,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$4,950 (9-20-63).
- SIBINOVIC, MRS. SARAH K. H., Research Associate in Center for Zoonoses Research,  $\frac{3}{4}$  time, one year from September 1, 1963, \$5,100 (9-4-63).
- SIMON, ELLEN M., Research Associate in Zoology,  $\frac{1}{2}$  time, one year from September 1, 1963, \$4,000 (9-26-63).
- SIMPSON, MRS. ALICE A., Assistant in the Center for Zoonoses Research, one year from September 1, 1963, \$5,160 (9-12-63).
- SINGAL, MAHENDAR K., Visiting Assistant Professor of Mathematics, academic year beginning September 1, 1963, \$7,500, supersedes (10-2-63).
- SKARTVEDT, ROMAYNE, Assistant in the Graduate School of Business Administration (College of Commerce and Business Administration), one year from September 1, 1963, \$6,000 (9-4-63).
- SLOAN, RICHARD H., Assistant in Physical Education for Men, nine months from September 16, 1963, \$5,200 (9-12-63).
- SLONIGER, CARL R., Assistant in Physical Education for Men, nine months from September 16, 1963, \$5,700, supersedes (9-12-63).
- SMITH, MRS. ANITA C., Associate Editor in the Graduate School of Library Science,  $\frac{1}{2}$  time, September 16, 1963-January 31, 1964, \$1,675 (9-25-63).
- SMITH, GARMOND S., Assistant Professor of Animal Science (C and S),  $\frac{1}{2}$  time, two years from September 1, 1963, \$4,600 a year (9-7-63).
- SMITH, MRS. MARGARET A., Research Assistant in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$5,600 (10-3-63).
- SPAETH, VIRGINIA A., Assistant in Biology (Chicago Undergraduate Division), nine months from September 16, 1963, \$4,800 (9-4-63).
- STEIN, HERBERT J., Research Associate in the Coordinated Science Laboratory,  $\frac{1}{2}$  time, and Instructor in Electrical Engineering,  $\frac{1}{2}$  time (C), academic year beginning September 1, 1963, \$5,750, supersedes (9-20-63).

- STITZEL, ROBERT D., Instructor in Dentistry (Dentistry),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$1,310 (9-27-63).
- STOLL, GAIL M., Registered Pharmacist in Hospital Pharmacy (Pharmacy), September 3, 1963-August 31, 1964, \$7,000 a year (10-3-63).
- SUGIURA, MASAHIRO, Research Associate in Botany, one year from September 1, 1963, \$6,100 (9-19-63).
- SULLIVAN, EDWARD E., Assistant in English, nine months from September 16, 1963, \$4,200, supersedes (9-19-63).
- SUSSMAN, HANS G., Research Associate in Oral Pathology (Dentistry), one year from September 1, 1963, \$8,000, supersedes (9-27-63).
- TAKAYAMA, TAKASHI, Research Associate in Agricultural Economics (S), one year from September 1, 1963, \$10,800 (9-25-63).
- TALBOT, JOSEPH E., JR., Instructor in Hygiene and Medical Adviser to Men (Chicago Undergraduate Division),  $\frac{3}{4}$  time, one year from September 1, 1963, \$7,600 (9-5-63).
- TATSUOKA, MAURICE, Associate Professor of Educational Psychology (College of Education),  $\frac{1}{2}$  time, and in the University High School,  $\frac{4}{5}$  time, one year from September 1, 1963, \$11,850, supersedes (9-4-63).
- TAYLOR, DONALD P., Assistant Professor of Nematology (Plant Pathology) (C and S), two years from September 1, 1963, \$10,000 a year, supersedes (9-4-63).
- TOMASCHKE, HARRY E., Research Associate in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$7,400, supersedes (10-1-63).
- TORRES, CESAR, Research Assistant in Medicine (Medicine), seven months from September 1, 1963, without salary (10-3-63).
- TRAHERN, JOSEPH B., JR., Assistant Professor of English, two years from September 1, 1963, to render service during each academic year, \$7,300 a year, supersedes (9-26-63).
- TROUSIL, ELAINE B., Research Assistant in Microbiology, eleven months from October 1, 1963, \$4,766.63 (9-20-63).
- TRUDGILL, PETER W., Research Associate in Chemistry, eleven months from October 1, 1963, \$6,500 a year, supersedes (9-26-63).
- UZGIRIS, INA C., Research Associate in Psychology, one year from September 1, 1963, \$6,100 (9-20-63).
- VENEZKY, DIANE A., Research Assistant in Psychiatry (Medicine), one year from September 1, 1963, \$5,160 (8-26-63).
- VERMEULEN, MRS. MARY E., Research Assistant in Microbiology, four months from October 1, 1963, \$1,733.32 (10-5-63).
- VERSEN, WALTER G., Assistant Professor of Physical Education for Men (Chicago Undergraduate Division), two years, and Assistant Director of the Division of Physical Education and Assistant Director of Athletics, one year, from September 1, 1963, to render service during each academic year, \$8,400, and \$1,000 for over-time from the Athletic Association for services to it, supersedes (9-7-63).
- VERSLUIS, DONALD G., Assistant (Flight) in the Institute of Aviation, September 16, 1963-January 31, 1964, \$2,100 (9-5-63).
- VISSION, RICHARD S., Assistant in English (Chicago Undergraduate Division), September 16, 1963-January 31, 1964, \$2,400 (9-4-63).
- WALKER, WILLIAM H., Assistant Professor of Civil Engineering (C and S), two years from September 1, 1963, to render service during each academic year, \$8,000 a year, supersedes (10-2-63).
- WALLER, ROBERT A., Assistant Professor of History (College of Liberal Arts and Sciences),  $\frac{1}{2}$  time, and Counselor in Teacher Training Counseling (College of Education),  $\frac{2}{3}$  time, two years from September 1, 1963, to render service during each academic year, \$7,500 a year, supersedes (9-26-63).
- WALRAVEN, H. DALE, Professor of General Engineering, indefinite tenure, and Assistant to the Dean of the Chicago Undergraduate Division, one year, from September 1, 1963, \$13,000 a year, supersedes (9-4-63).
- WANG, SHU YUNG, Clinical Associate Professor of Oral Pathology (Dentistry), one year from September 1, 1963, without salary (9-27-63).
- WARREN, MRS. IRVINA P., Research Associate in Medical Social Work (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1963, \$4,200 (9-27-63).

- WATERMAN, JACK E., Executive Officer and Associate Professor of Naval Science, August 1, 1963-August 31, 1963, \$600 a year (9-26-63).
- WATTS, MRS. EMILY S., Instructor in English,  $\frac{2}{3}$  time, academic year beginning September 1, 1963, \$4,550 (9-26-63).
- WEICHSEL, PAUL M., Assistant Professor of Mathematics, two years from September 1, 1963, to render service during each academic year, \$9,500 a year (9-26-63).
- WEIRAUCH, DONALD F., Research Assistant in Ceramic Engineering (C),  $\frac{1}{2}$  time, September 16, 1963-June 15, 1964, \$2,250, and full time, June 16-August 31, 1964, \$1,250 (8-31-63).
- WEISSMAN, IRVING, Consultant in Radiology (Health Service),  $\frac{1}{4}$  time, two years from September 1, 1963, \$5,400 a year (10-2-63).
- WERCH, MRS. AGNES S., Instructor in Medical Social Work (Medicine), eleven months from October 1, 1963, \$8,250 a year (10-3-63).
- WIEDENMAYER, FELIX, Research Assistant in Geology, eleven months from October 1, 1963, \$4,720.87 (9-27-63).
- WIGGINS, MRS. NANCY A., Instructor in Psychology,  $\frac{1}{3}$  time, academic year beginning September 1, 1963, \$2,000 (9-19-63).
- WILLIS, MRS. JUDITH, Instructor in the School of Life Sciences, academic year beginning September 1, 1963, \$6,500 (9-20-63).
- WOOD, JEAN M., Instructor in Nursing, to render service during the academic year, 1963-64, beginning October 7, 1963, \$7,000 a year (9-27-63).
- WOODARD, MRS. MARGARETHA W., Visiting Lecturer in Biology (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$6,750 (9-4-63).
- WRIGHT, ROBERT L., Instructor in Architecture, academic year beginning September 1, 1963, \$6,800 (9-20-63).
- YAMAMOTO, TOSHIO, Research Assistant in the State Natural History Survey and in the Graduate College,  $\frac{1}{2}$  time, nine months from September 1, 1963, \$1,980, and full time, three months from June 1, 1964, \$1,320 (9-27-63).
- YOUNG, MRS. BILOINE W., Instructor in Televised Instruction, Elementary Education, and in the Office of Instructional Television (College of Education, and Executive Vice-President and Provost's Office), academic year beginning September 1, 1963, \$6,000 (9-27-63).
- YU, KYUNG HI, Research Assistant in Food Science (S), one year from September 1, 1963, \$5,200 (9-27-63).

#### FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- ADAM, WILLIAM S., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, \$2,600 (9-20-63).
- ANDERSON, PHILIP A., Lilly Endowment Postdoctoral Fellow in Psychology, nine months from September 16, 1963, \$5,000 (9-16-63).
- ANKER, JANE A., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (8-13-63).
- ATKINS, GLADYS, United States Public Health Service Fellow in Physiology, six months from September 21, 1963, \$1,100 (9-27-63).
- BALDWIN, JON M., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, \$2,000 (6-11-63).
- BARRETT, IRENE M., United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, \$2,400 (9-12-63).
- BEEBY, GARY J., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, \$2,400 (8-26-63).
- BERNSTEIN, JERROLD, United States Public Health Service Fellow (Trainee) in Physiology, nine months from October 1, 1963, \$2,999.97 (9-18-63).
- BINNS, WILLIAM H., JR., United States Public Health Service Fellow (Trainee) in Dentistry, September 16, 1963-June 30, 1964, \$5,541.63 (9-12-63).
- BROWNING, EDWARD T., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,000 (8-13-63).
- CHARRON, RODNEY E., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, \$2,400 (8-26-63).



- CONWAY, ANNA M., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, \$200 (9-24-63).
- COPELAND, LEE I., United States Public Health Service Fellow (Trainee) in Oral Pathology, ten months from September 1, 1963, \$4,166.67 (8-12-63).
- DAVIS, LORIN R., Engineering Faculty Development Teaching Fellow in Mechanical and Industrial Engineering, nine months from September 16, 1963, \$1,500 (9-16-63).
- DAVIS, MRS. LUCILLE, United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, \$2,400 (9-12-63).
- DE LARCO, JOSEPH E. P., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,833 (9-17-63).
- DESA, RICHARD J., United States Public Health Service Predoctoral Fellow in Chemistry, one year from August 16, 1963, \$3,700 (8-22-63).
- DEVINE, RICHARD A., Inland Steel-Ryerson Foundation Fellow in Architecture, September 16, 1963-January 31, 1964, \$1,500 (9-6-63).
- DIAB, IHSAN M., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,667 (8-13-63).
- DYSON, ROBERT D., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, \$2,500 (9-17-63).
- FEIBERTAG, ROBERT H., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 16, 1963, \$2,000 (9-17-63).
- FELDMAN, JAY M., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1963, \$600 (9-24-63).
- FIEDLER, FRED E., Postdoctoral Fellow in Psychology, nine months from September 1, 1963, \$12,050 (8-26-63).
- FLYNN, MARILYN L. J., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (8-13-63).
- FOGEL, SAMUEL, United States Public Health Service Fellow (Trainee) in Microbiology, ten months from September 1, 1963, \$2,230 (9-30-63).
- FRIEDLAND, JOAN M., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1963, \$2,666 (8-16-63).
- GENTLEMEN, SUSAN B., United States Public Health Service Fellow (Trainee) in Physiology, one year from September 1, 1963, \$2,666 (8-27-63).
- GHOSH, ASHISH K., Kettering Foundation Postdoctoral Fellow in Botany, one year from September 1, 1963, \$6,000 (9-11-63).
- GIACOMONI, DARIO, United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, \$2,820 (8-16-63).
- GRACE, MRS. HELEN M., United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, \$2,400 (9-12-63).
- GRELAK, ROBERT P., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$1,832.50 (8-13-63).
- GRESICK, EDWARD W., United States Public Health Service Fellow (Trainee) in Anatomy, one-tenth time, ten months from September 1, 1963, \$200 (9-24-63).
- GRUEN, WAYNE T., Automotive Safety Foundation Teaching Fellow in Civil Engineering, September 16, 1963-January 31, 1964, \$750 (9-19-63).
- HALEY, JOHN V., Postdoctoral Fellow in Psychology, nine months from September 16, 1963, \$6,000 (10-1-63).
- HANNULA, THOMAS A., National Aeronautics and Space Administration Fellow in Mathematics, one year from September 1, 1963, \$3,000, supersedes (9-12-63).
- HOFFMAN, ROBERT A., Jones and Laughlin Steel Corporation Fellow in Metallurgy, nine months from September 16, 1963, \$2,400 (8-15-63).
- HOFMANN, LORENZ, United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,583.30 (8-13-63).
- HOLTZAPPEL, JAY, Fellow in Music, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375 (8-27-63).
- HOLSER, CHARLES F., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, \$3,000 (9-17-63).
- HUDSON, VALERIE F., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, \$2,400 (8-27-63).
- JEN, LINDA C., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,100 (7-3-63).

- JOHNSON, JUDITH A., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (8-13-63).
- JOHNSON, NORMA J., United States Public Health Service Predoctoral Fellow in Zoology, one year from September 16, 1963, \$2,000 (9-17-63).
- KAPPE, HOLLY, Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, \$2,400 (8-26-63).
- KAUFFMAN, FREDERICK C., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,416.66 (8-13-63).
- KLINE, DALE R., Lilly Endowment Postdoctoral Fellow in Psychology, nine months from September 16, 1963, \$5,000 (9-13-63).
- KOPP, JAMES V., United States Public Health Service Predoctoral Fellow in Microbiology, one year from September 16, 1963, \$2,000 (9-17-63).
- KUENZI, NORBERT J., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, \$1,882.50 (9-30-63).
- KUPPERMAN, PHYLLIS P., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, ten months from September 1, 1963, \$2,400 (8-26-63).
- LANDY, ARTHUR H., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, \$2,820 (8-16-63).
- LINE, WILLIAM F., United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 16, 1963-June 30, 1964, \$1,820.77 (9-12-63).
- LOSEE, DAVID L., National Aeronautics and Space Administration Fellow in Physics, one year from September 1, 1963, \$3,000 superseded (9-12-63).
- LOWENSTEIN, JOHN H., National Science Foundation Graduate Fellow in Physics, nine months from September 16, 1963, \$1,500 (6-18-63).
- MANGEL, WALTER F., United States Public Health Service Fellow (Trainee) in Physiology, one year from September 1, 1963, \$2,666 (8-16-63).
- MANN, WILLIAM S., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,250 (8-13-63).
- MARKS, COLLEEN J., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, \$2,400 (8-26-63).
- MATHER, LAUREN R., National Science Foundation Graduate Fellow in Physics, nine months from September 16, 1963, \$1,350 (9-18-63).
- MCLAIN, LARRY G., United States Public Health Service Fellow (Trainee) in Psychiatry, three months from June 16, 1963, \$600 (7-12-63).
- MELBERG, FREDERICK T., JR., David Kinley Fellow in Business Administration, nine months from September 16, 1963, \$1,500 (9-19-63).
- MERTZ, JOHN C., United States Public Health Service Predoctoral Fellow in Zoology, one year from September 16, 1963, \$2,000 (9-17-63).
- MIZUNO, YOSHIHIRO, Keio-Illinois Exchange Fellow in Labor and Industrial Relations, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (8-27-63).
- MORRIS, DAVID R., United States Public Health Service Predoctoral Fellow in Chemistry, one year from August 16, 1963, \$2,700 (8-30-63).
- MUNDAY, JOHN C., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1963, \$2,666 (8-16-63).
- NORTON, ROBERT H., United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 23, 1963-June 30, 1964, \$1,772 (9-12-63).
- OLSEN, RICHARD K., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 16, 1963, \$4,700 (9-17-63).
- OSMAISKI, C. PAUL, United States Public Health Service Postdoctoral Fellow (Special) in Pathology, one year from July 1, 1963, without salary (9-18-63).
- OTERHOLM, ANDERS, United States Public Health Service Fellow (Trainee) in Food Science, one year from September 1, 1963, \$2,800 (7-29-63).
- OTIENO, OLERO S., United States Public Health Service Fellow (Trainee) in Physiology, September 15, 1963-June 30, 1964, \$1,741.64 (9-25-63).
- OVERBY, LACY R., Postdoctoral Fellow (Trainee) in Microbiology, one-fourth time, August 1, 1963-February 29, 1964, \$1,400 (8-27-63).
- PARDINI, RONALD S., United States Public Health Service Fellow (Trainee) in Food Science, one year from September 1, 1963, \$2,500 (9-19-63).
- PAUL, GORDON L., United States Public Health Service Predoctoral Fellow in Psychology, one year from September 1, 1963, \$4,000 (9-16-63).
- PEACOCK, DOUGLAS W., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, \$3,000 (9-17-63).

- PERKINS, WILLIAM E., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,583.30 (9-18-63).
- PERSHE, EDWARD R., United States Public Health Service Predoctoral Fellow in Civil Engineering, one year from September 16, 1963, \$3,500 (9-17-63).
- PLAUT, HANNAH M., United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, \$2,400 (9-12-63).
- POBOLOSKY, JUDITH, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (8-13-63).
- RAINSFORD, DENNIS T., Vocational Rehabilitation Administration Fellow (Trainee) in Education, nine months from September 16, 1963, \$2,000 (9-23-63).
- ROSENE, GORDON L., United States Public Health Service Fellow (Trainee) in Anatomy, one-half time, nine months from September 16, 1963, \$1,770 (9-17-63).
- ROTHMAN, HOWARD H., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1963, \$2,666 (8-16-63).
- ROUGHEAD, WILLIAM G., JR., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, \$4,800 (9-30-63).
- SANDFORD, PAUL A., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, \$2,500 (9-30-63).
- SCAPINO, ROBERT P., United States Public Health Service Postdoctoral Fellow (Special) in Oral Anatomy (Dentistry), one year from June 18, 1963, without salary (9-18-63).
- SEDAY, ANN J., United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, \$2,400 (9-12-63).
- SEELY, OLIVER, JR., United States Public Health Service (Trainee) in Chemistry, one year from September 1, 1963, \$2,400 (9-24-63).
- SEIKKU, ANTTI R. O., Fellow in Law, nine months from September 16, 1963, \$1,500 (9-19-63).
- SHAPIRO, JULES S., United States Public Health Service Fellow (Trainee) in Orthopaedic Surgery, one year from July 1, 1963, \$6,000 (8-26-63).
- SHEA, JAMES H., Shell Company Foundation Fellow in Geology, nine months from September 16, 1963, \$2,100, supersedes (9-20-63).
- SOBEL, SOLOMON, United States Public Health Service Fellow (Trainee) in Medicine, August 5, 1963-June 30, 1964, \$5,435.50 (9-3-63).
- SPENCE, CLARK C., Postdoctoral Fellow in History, academic year beginning September 1, 1963, \$10,500 (8-31-63).
- STEVENS, KENT R., United States Public Health Service Predoctoral Fellow in Dairy Science, one year from September 1, 1963, \$3,000 (9-9-63).
- STIEFEL, HYLENE M., National Institute of Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (8-13-63).
- SUCHINSKI, JOYCE, United States Public Health Service (Trainee) in Nursing (Psychiatric) — Undergraduate, nine months from September 16, 1963, \$1,800 (9-12-63).
- TAYLOR, DOUGLAS H., Teaching Fellow in Mathematics, 16/100 time, nine months from September 16, 1963, \$750 (9-18-63).
- TERRY, RICHARD B., United States Public Health Service Predoctoral Fellow in Zoology, one year from September 1, 1963, \$3,000 (9-5-63).
- THURMAN, RONALD G., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,416.66 (9-12-63).
- TKACIK, ARNOLD, Lilly Endowment Postdoctoral Fellow in Psychology, nine months from September 16, 1963, \$5,000 (9-13-63).
- UNZICKER, ROGER G., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,250 (8-13-63).
- VAN VLEET, JOHN F., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from September 1, 1963, \$5,500 (7-16-63).
- VERHEY, MRS. CATHERINE A., United States Public Health Service Predoctoral Fellow in Zoology, one year from September 1, 1963, \$2,000 (9-17-63).
- VOILS, DON L., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, \$2,310 (9-30-63).

- WAGNER, NEAL R., National Science Foundation Graduate Fellow in Mathematics, one year from September 1, 1963, \$1,800 (9-17-63).  
WEBER, BRUCE A., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, \$2,800 (8-26-63).  
WILLIAMS, ANN M., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, ten months from September 1, 1963, \$2,400 (9-5-63).  
WILLMORE, FLOYD E., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, \$2,310 (9-30-63).  
ZIELINSKI, MIECZYSLAW, Postdoctoral Fellow in Chemistry, six months from October 16, 1963, \$2,250 (9-5-63).

#### RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS

- ALLERHAND, ADAM, Postdoctorate Fellow in Chemistry—resignation effective September 1, 1963.  
ANDERSON, MARY P., Research Assistant in Chemistry—declination effective September 1, 1963.  
ANDREWS, RICHARD D., Assistant in Veterinary Pathology and Hygiene—declination effective September 1, 1963.  
BICKELHAUPT, ROY E., Research Assistant Professor of Ceramic Engineering—resignation effective September 22, 1963.  
BLOSTEIN, RHODA, Research Associate in Chemistry—resignation effective June 16, 1963.  
BROWN, DONALD E., Associate Professor of Journalism—resignation effective September 1, 1963.  
BROWNE, JULIA, Fellow in Art—resignation effective June 16, 1963.  
BUSTA, FRANCIS F., United States Public Health Service Predoctoral Fellow in Food Technology—resignation effective October 1, 1963.  
DAGRES, JOHN, George A. Miller Fellow in History—resignation effective September 16, 1963.  
DE FEO, VINCENT J., Assistant Professor of Anatomy (Medicine)—resignation effective September 1, 1963.  
DINGER, SHARON L., Research Assistant in Physiology—resignation effective September 1, 1963.  
FELTNER, CHARLES E., Research Assistant Professor of Theoretical and Applied Mechanics—resignation effective September 1, 1963.  
FISHER, BARBARA N., United States Public Health Service Fellow (Trainee) in Chemistry—resignation effective September 16, 1963.  
FLEY, JO ANN, Assistant Dean of Women—resignation effective February 1, 1964.  
FRAZER, WILLIAM D., Fellow in Digital Computer Laboratory—resignation effective September 16, 1963.  
GUR-ARIEH, CHAIM, Fellow in Food Technology—cancellation effective September 16, 1963.  
HAMILTON, ROBERT C., Orthopaedist in the Division of Services for Crippled Children and Instructor in Orthopaedic Surgery (Medicine)—declination effective September 1, 1963.  
HERBST, RICHARD J., Research Associate in Ceramic Engineering—resignation effective September 16, 1963.  
HIRST, VIRGINIA A., Fellow in English—resignation effective September 16, 1963.  
HRYKEWICZ, BORIS W., Research Assistant in Small Homes Council-Building Research Council—resignation effective September 1, 1963.  
IRGENS, ROAR, United States Public Health Service Fellow (Trainee) in Microbiology—cancellation effective September 1, 1963.  
JOHNSON, MARGARET L., Instructor in Medical Social Work (Medicine)—declination effective September 1, 1963.  
KAISER, HENRY F., Professor of Psychology and of Educational Psychology (Bureau of Educational Research)—declination effective September 1, 1963.  
KATAGUE, DAVID B., Instructor in Chemistry (Pharmacy)—resignation effective September 1, 1963.  
KELSEY, PATRICIA A., Instructor in Occupational Therapy (Medicine)—resignation effective September 1, 1963.  
KITSON, JOHN W., Instructor in Advertising—declination effective September 1, 1963.

- KOSMALLA, NORBERT, Instructor in German — declination effective September 1, 1963.
- MAHANY, RICHARD P., Fellow in History — resignation effective September 16, 1963.
- MALHOTRA, OM P., Assistant Professor of Veterinary Physiology and Pharmacology — resignation effective October 1, 1963.
- McKIBBIN, BRIAN, Clinical Instructor in Surgery (Medicine) — termination effective August 17, 1963.
- MILES, FRED D., Professor of Architecture — resignation effective September 1, 1963.
- NISHIDA, YOSHIRO, Research Assistant in Physiology and Biophysics — resignation effective September 16, 1963.
- NORTON, ROBERT H., Research Assistant in Pharmacognosy and Pharmacology (Pharmacy) — resignation effective September 1, 1963.
- OMORI, DOROTHY K., Instructor in Occupational Therapy (Medicine) — declination effective September 1, 1963.
- PATTISON, MRS. VALERIE, Assistant in Animal Science — resignation effective August 27, 1963.
- PENCHINA, CLAUDE M., Research Associate in Electrical Engineering — cancellation effective September 1, 1963.
- PETERSON, LEWIS V., Producer and Supervisor of Television-Motion Pictures — resignation effective September 1, 1963; retirement effective March 1, 1964.
- REMEC, MATTHEW J., Instructor in Electrical Engineering — resignation effective September 1, 1963.
- ROBERTS, MARGARET R., Research Assistant in the State Water Survey — resignation effective September 12, 1963.
- ROSE, CRONWELL A., Research Assistant in Preventive Medicine (Medicine) — resignation effective August 3, 1963.
- ROSLANSKY, JOHN D., Assistant Professor of Zoology — resignation effective September 1, 1963.
- ROTH, CYNTHIA M., Assistant in Chemistry (Chicago Undergraduate Division) — resignation effective September 16, 1963.
- SARKISSIAN, JOHN L., Instructor in Biological Sciences (Chicago Undergraduate Division) — resignation effective September 1, 1963.
- SASSOON, MABEL I., Instructor in Medical Social Work (Medicine) — resignation effective September 1, 1963.
- SPORLEDER, DONALD E., Assistant Professor of Architecture — resignation effective September 1, 1963.
- STEINHARDT, MARY D., National Science Foundation Graduate Fellow in Chemistry — resignation effective September 1, 1963.
- STEVENS, KENT R., Fellow in Dairy Science — resignation effective September 16, 1963.
- STRAIN, ROBERT J., Research Associate in Electrical Engineering — resignation effective September 18, 1963.
- SUDHOFF, HERBERT A., Executive Officer and Assistant Professor of Naval Science — resignation effective August 1, 1963.
- SWAGO, ANDREW W., Associate Professor of Electrical Engineering — resignation effective September 1, 1963.
- SWANSON, JUDITH E., Research Assistant in Microbiology — declination effective September 1, 1963.
- TALBOT, GEORGE A., Lecturer in Social Science and Sociology, Division of General Studies and Department of Sociology — resignation effective September 1, 1963.
- TOLEDO, FERNANDO, Research Associate in Electrical Engineering — resignation effective October 1, 1963.
- VERMEULEN, MRS. MARY E., Research Assistant in Microbiology — resignation effective October 1, 1963.
- WALLER, MRS. EDNA I., Project Assistant in the Natural History Survey and in the Graduate College — resignation effective September 16, 1963.
- WEICHSEL, PAUL M., Assistant Professor of Mathematics — declination effective September 1, 1963.

### LEAVES OF ABSENCE

- CLEARY, EDWARD W., Professor of Law—disability leave of absence, with full pay, from September 1, 1963, and continuing until February 1, 1964.
- CRIBBET, JOHN E., Professor of Law—leave of absence, without pay, for the academic year 1963-64, so that he may accept a position as Visiting Professor of Law at the University of Michigan.
- DRUMMOND, HAROLD A., Lecturer in Medical and Dental History, with rank of Associate Professor, College of Dentistry—leave of absence without pay, for one year from September 1, 1963, so that he may travel abroad.
- FU, MRS. HELENA SUEN, Instructor in Pharmacy, College of Pharmacy—leave of absence, without pay, for one year from September 1, 1963.
- HENDRON, ALFRED J., JR., Assistant Professor of Civil Engineering, College of Engineering—leave of absence for two years from September 1, 1963, for military service.
- HOLDERMAN, JAMES B., Assistant Professor in the Institute of Government and Public Affairs—leave of absence, without pay, for the first semester of the academic year 1963-64, so that he may serve as Social Studies Consultant for the Superintendent of Public Instruction.
- PAUL, SHERMAN, Professor of English and Associate Member of Center for Advanced Study—leave of absence from the Department of English, without pay, during the current academic year (September 1, 1963, through August 31, 1964), in view of the fact that he has received a John Simon Guggenheim Memorial Foundation grant to supplement his appointment as an Associate Member, on one-half time, of the Center for Advanced Study.
- PERLMUTTER, MRS. SHIRLEY, Instructor in Occupational Therapy, College of Medicine—extension of leave of absence, without pay, beginning September 1 through December 31, 1963.
- RUDIN, CECILIA M., Instructor in English (Chicago Undergraduate Division)—extension of leave of absence, without pay, for one year from September 1, 1963, on account of illness.
- STIPPES, MARVIN C., Professor of Theoretical and Applied Mechanics, College of Engineering and Engineering Experiment Station—leave of absence, without pay, for the second semester of 1963-64, so that he may accept a position as Visiting Professor of Civil Engineering at the University of Washington.
- WACHOWSKI, THEODORE J., Clinical Professor of Radiology, College of Medicine, and Associate Radiologist, Research and Educational Hospitals—leave of absence, without pay, for six months from September 1, 1963, so that he may travel and do work in association with his appointment as President of the American College of Radiology.
- ZIOLKOWSKI, EDMUND, Physician in the Health Service (Medical Center, Chicago)—leave of absence, without pay, beginning September 1, and continuing through October 20, 1963, because of the temporary press of other responsibilities.

### CANCELLATION OF SABBATICAL LEAVE OF ABSENCE

- STIPPES, MARVIN C., Professor of Theoretical and Applied Mechanics, College of Engineering, and Engineering Experiment Station—sabbatical leave of absence for the second semester of the academic year 1963-64 is hereby cancelled, without prejudice.

### FUTURE BOARD MEETINGS

President Clement reminded the Trustees of their previous action changing the date of the regular November meeting from the third Wednesday to Saturday, November 23, 1963, to be held in Urbana, and inquired if the Board desires to consider any other date. Following discussion, it was the consensus of the Trustees that the meeting should be held on November 23 as now scheduled.

The regular December meeting of the Board is scheduled for Wednesday, December 18, and President Clement announced that the Trustees have the annual invitation from the officers of the First National Bank of Chicago to hold the meeting at the Bank.

#### MEETING OF ASSOCIATION OF GOVERNING BOARDS

Mrs. Watkins reported informally and briefly on the 1963 annual meeting of the Association of Governing Boards of State Universities and Allied Institutions at which she, Mr. Dilliard, and the Secretary, Mr. Janata, represented the Board of Trustees of the University. Mr. Dilliard also commented on this meeting.

Mrs. Watkins stated that she would send a formal, written report to all the Trustees later and a copy would be filed with the Secretary.

#### RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session has been requested and would be ordered for consideration of reports and recommendations relating to property acquisitions; and that this session will be held immediately after luncheon recess.

At 11:15 a.m., on motion of Mr. Swain, the Board recessed.

#### INSPECTION OF PHYSICS BUILDING

During the recess, the Trustees and officers of the University visited the new Physics Building for an inspection. Professor G. M. Almy, Associate Head of the Department of Physics, Professor Robert J. Maurer and Associate Professor George A. Russell, of the Department, conducted the inspection tour.

#### GUESTS OF HONOR AT LUNCHEON

Following inspection of the Physics Building, the Trustees returned to the Illini Union for luncheon. State Senator Everett R. Peters, and State Representatives Charles W. Clabaugh, Edwin E. Dale, and Leo Pfeffer were guests of honor of the Board at luncheon. Presidents Clement and Henry expressed on behalf of the Trustees and other officers of the University appreciation of the services of the Senator and Representatives to the University during the session of the Seventy-third General Assembly of Illinois. The guests of honor responded briefly.

#### SITE FOR UNDERGRADUATE LIBRARY

Mr. Ambrose Richardson, Consulting Architect, presented sketches of a preliminary study of a new undergraduate library building at Urbana-Champaign showing how such a building could be constructed below grade in the quadrangle between the Auditorium and the Stock Pavilion and connected with the University Library. He illustrated his presentation with slides.

On recommendation of President Henry and on motion of Mr. Swain, this proposal was referred to the Committee on Buildings and Grounds for consideration and report.

#### DESIGN OF CHILDREN'S RESEARCH CENTER

Mr. Richardson presented the proposed design for the Children's Research Center to be constructed in the area which has been set aside for the Mental Health Building.

On motion of Mr. Johnston, this design was approved.

#### EXECUTIVE SESSION

The Board reconvened in executive session at 1:30 p.m. and the same Trustees and officers of the University were present as recorded at the

beginning of these minutes with the exception of Mr. Ray Page who asked to be excused and Mr. John A. Baerwald and Mr. Ambrose Richardson, whose services were not required.

The Board proceeded to consider the following reports and recommendations submitted by and on behalf of the President of the University.

#### **VACATION OF STREETS AND ALLEYS BY THE CITY OF URBANA**

(1) The Committee on Buildings and Grounds of the Board of Trustees has recommended payment to the city of Urbana of \$147,345 for the vacation of Romine Street between Springfield Avenue and Main Street; Stoughton Street between Romine Street and Mathews Avenue; and the alleys in the two blocks bounded by Springfield Avenue, Mathews Avenue, Main Street, and Romine Street. Such vacations by the City would have the effect of vesting in the University title to the areas vacated.

The areas will be vacated in two parts, namely Romine Street and the west part of the alley in the block bounded by Stoughton, Romine, Main, and Mathews, conditioned upon the payment of \$92,895.00; and Stoughton Street and the alley in the block bounded by Stoughton, Romine, Springfield, and Mathews, conditioned upon a payment of \$54,450. The latter vacation will take place after the University's completion of acquisition of contiguous land.

The city of Urbana has since requested that prior to enactment of the city ordinances that would vacate the streets and alleys subject to payments being made, the Board of Trustees take action to authorize such payments.

It is recommended that the Board of Trustees approve the proposal to the City for vacation of the areas and authorize payments of the amounts required by the City when the ordinances are passed.

Funds are available from the state capital appropriations to the University for the 1963-65 biennium.

I concur.

On motion of Mr. Swain, this recommendation was approved, and authority was given as requested by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

#### **PURCHASE OF FARMLAND SOUTH OF BONDVILLE**

(2) In 1957, lease arrangements were completed for the use of a forty-one-acre tract, four miles south of Bondville, Illinois, as a site for a radio direction-finding facility for the Department of Electrical Engineering. This land was purchased by a private company and leased to the University with the lease cost paid from a research contract with the United States Navy. The University has the option to buy the site at any time before the expiration of the lease in 1972 at a cost not to exceed \$18,245.

Two tracts totaling 210 acres are now required for immediate expansion of the research facility and additional land will be required in the future to control construction of fences, metal buildings, and possibly high-growing crops, all of which interfere with the research program. The total land required, including the forty-one acres now leased to the University, is approximately 480 acres.

Negotiations have been under way for acquisition of the two tracts of land required for immediate expansion:

Tract A — Approximately 130 acres north of the original forty-one acres described as:

The North Half of the Northeast Quarter of Section Two, except a strip one rod wide off the full south end thereof, containing 88.78 acres more or less, and the North Half of the East Half of the Northwest quarter of said Section Two, except one square rod in the Southeast corner thereof, containing 41.48 acres more or less, all in Section Two Township 18 North, Range 7 East, of the Third Principal Meridian, in Champaign County, Illinois.

The owner will sell for \$90,000 but retaining for three crop years the right of occupancy of not less than eighty acres of land.



Tract B—Approximately eighty acres east of the original forty-one acres described as:

The South Half (S½) of the Northeast Quarter (NE¼) of Section 2, Township 18 North, Range 7 East of the Third Principal Meridian.

The owner will sell for \$64,000 and give immediate possession to the University.

The prices are the lowest prices for which the properties can be acquired without condemnation proceedings and the resulting costs thereof.

Funds are available from undistributed indirect costs received under Navy contracts.

The Vice-President and Comptroller recommend that the Board authorize the purchase of the above two properties at the prices and terms outlined above.

I concur.

On motion of Mr. Swain, these purchases were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

#### **ACQUISITION OF PROPERTY AT 603 EAST DANIEL STREET, CHAMPAIGN, ILLINOIS**

(3) The Board has authorized and the University is in the process of acquiring by condemnation the property at 605 East Daniel Street, Champaign (commonly referred to as the Cosmopolitan Club). The adjoining property at 603 East Daniel Street, Champaign (commonly referred to as the Thunderbird Restaurant property) is also required for the University's campus expansion and is under common ownership with the Cosmopolitan Club.

Officials of the University have carefully reviewed the various alternatives available to the University with regard to the acquisition of the Thunderbird property and have concluded that: (1) funds are now available which can be budgeted for this purpose; (2) if it is necessary to institute condemnation proceedings on this property, it would be desirable to consolidate such proceedings with the pending Cosmopolitan Club condemnation; and (3) the acquisition of the property at this time would be in the best interests of the University.

The Thunderbird property consists of a lot 43.68 feet frontage on Daniel Street by 73 feet deep, and is improved with a restaurant occupying most of the land area. The original building was a three-story and basement frame rooming house to which has been added a frame dining room two stories high, a one-story masonry side entrance, and a second-story addition at the rear of the property used as a dining room. The basement has been remodeled into a "rathskeller."

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize the acquisition of this property by negotiation at a price not to exceed \$100,000. They further recommend that if the University is unable to acquire the property by negotiation, the Board authorize the Executive Committee to adopt a resolution for institution of condemnation proceedings for the acquisition of this property. This resolution was distributed to the members of the Board of Trustees, and a copy was filed with the Secretary of the Board for record.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund.

I concur.

On motion of Mr. Johnston, the foregoing recommendations were approved and authority was given as requested; this action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

#### **ACQUISITION OF FARMLAND IN LA SALLE COUNTY**

(4) In 1955, Miss Laura Weber gave to the University 640 acres of farmland in La Salle County. Included in the gift is a 160-acre farm in Waltham Township, north of Utica. On November 21, a 160-acre farm which adjoins this farm will be sold at public auction by the administrator of an estate. It is desirable for the

University to acquire this farm, or at least eighty acres of it, in order to implement the functions being performed on the Weber property.

The Dean of the College of Agriculture and the Vice-President and Comptroller recommend that the Comptroller or an agent selected by him be authorized to submit not exceeding \$700 an acre for the west eighty acres (which are immediately south of the University property) and not to exceed \$650 an acre for the east eighty acres and not to exceed \$675 an acre for the entire farm.

Approximately \$50,000 is available in the fellowship account established from the income of the Weber farms. This income is unrestricted except that it must be used for the benefit of the College of Agriculture. The Dean of the College recommends that this sum be transferred to endowment funds if the property is acquired. The remainder of the purchase price can be financed from working capital funds of the Weber farms and Wright farms.

The Chairman of the Committee on Agriculture has been consulted and approves the recommendation.

I concur.

On motion of Mr. Johnston, this purchase was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

On motion of Mrs. Watkins, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

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**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**November 23, 1963**



The November meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Saturday, November 23, 1963, beginning at 9:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner and Mr. Ray Page were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Earl W. Porter, Assistant to the President, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant, Mr. V. L. Kretschmer, Director of Auxiliary Services; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

### TRIBUTE TO PRESIDENT OF THE UNITED STATES

When the meeting convened, President Clement asked all present to stand in a silent tribute to the late President John F. Kennedy.

### BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

### PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

### AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
MARTIN GREENMAN	Skokie, Illinois	District of Columbia
THOMAS ELWOOD HENEY, JR.	Huntingdon Valley, Pennsylvania	Pennsylvania
FRED EPHRAIM SCHOENBURG	Skokie, Illinois	District of Columbia
BRIAN OWEN SHANNON	Chicago, Illinois	Indiana
GLEN WILSON VANTREASE	Gary, Indiana	Indiana
HARVEY EMIL WETZEL	Homewood, Illinois	Wisconsin

I concur.

On motion of Mr. Johnston, these certificates were awarded.

### APPOINTMENTS TO THE FACULTY

(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. CHARLES MILTON GARVERICK, Assistant Professor of Educational Psychology, beginning February 1, 1964, at an annual salary of \$8,400.
2. LOWELL DEAN HILL, Assistant Professor of Marketing Extension, Department of Agricultural Economics, beginning November 11, 1963, at an annual salary of \$10,000.
3. SUSHIL DUA SHARMA, Visiting Assistant Professor of Psychology and of Physiology, for one year from September 1, 1963, one-third time, at a salary of \$2,600.
4. ROBERT M. TOMLINSON, Assistant Professor of Vocational and Technical Education, College of Education, beginning February 1, 1964, at an annual salary of \$9,600.
5. JOHN C. TOTI, Assistant Professor of Educational Psychology, College of Education, beginning September 1, 1963, at an annual salary of \$8,500.
6. CHARLES E. WARWICK, Assistant Dean of Admissions and Records, with rank of Assistant Professor, beginning March 1, 1964, at an annual salary of \$13,000.

On motion of Mr. Swain, these appointments were confirmed.

### DEPARTMENT OF LINGUISTICS

(3) On recommendation of the Executive Committee of the College of Liberal Arts and Sciences, the Urbana-Champaign Senate has recommended establishment of a Department of Linguistics to provide a much-needed focus for the various aspects of linguistic study now conducted at the Urbana-Champaign

campus. At present a graduate program is offered in linguistics leading to the degree of Master of Arts and Doctor of Philosophy. This program is administered by an interdepartmental committee whose chairman serves as the program director.

The Department will offer two main curricula with certain possible additions: (a) graduate programs in descriptive linguistics and historical linguistics, and graduate interdisciplinary programs in psycholinguistics, ethno linguistics, and experimental phonetics; and (b) instruction in non-Western languages to be instituted later, eventually providing at least two years of elementary Chinese, Japanese, Hindi, Arabic, and selected southeast Asian languages such as Burmese or Indonesian. The Department will also offer graduate programs of instruction and research leading to degrees of Master of Arts and Doctor of Philosophy in Linguistics, with the possible addition of a one-year certificate for foreign teachers of English who can afford only one year of graduate training in this country.

The College of Liberal Arts and Sciences and the new Department would recognize the prior claim of the existing language departments to continue to offer courses of a linguistic nature which draw their material from the languages they teach and which are a part of the training at all levels of teachers of such languages.

Submitted herewith is a supporting statement concerning the proposal for the new Department, a copy of which is being filed with the Secretary of the Board for record.

The University received funds in its 1963-65 legislative appropriation for the establishment of a Department of Linguistics and for the kind of expansion of the program outlined above.

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mr. Johnston, this recommendation was approved.

#### **DOCTOR OF PHILOSOPHY IN AGRICULTURAL ENGINEERING**

(4) On recommendation of the Executive Committee of the Graduate College, the Urbana-Champaign Senate has recommended establishment of a graduate program leading to the degree of Doctor of Philosophy in Agricultural Engineering to meet the great demand for agricultural engineers with the Doctor of Philosophy degree from colleges and universities, state and federal government agencies, industries which serve agriculture, and many of the food industries.

The program will fulfill all the standard requirements of the Graduate College for the degree of Doctor of Philosophy. It provides for a major in agricultural engineering with a minor or minors in other graduate departments of engineering, mathematics, physics, including soil physics, or other disciplines in the physical sciences. The program, including the specific courses, is submitted herewith, and a copy is being filed with the Secretary of the Board for record.

The Board of Trustees in 1948 approved a recommendation from the Senates for a graduate program leading to the degree of Master of Science in Agricultural Engineering.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mr. Hughes, this recommendation was approved.

#### **DEPARTMENT OF URBAN PLANNING AND LANDSCAPE ARCHITECTURE AND REVISION OF CURRICULUM IN CITY PLANNING**

(5) The Urbana-Champaign Senate has approved recommendations from the College of Fine and Applied Arts that: (1) the name of the Department of City Planning and Landscape Architecture be changed to Department of Urban Planning and Landscape Architecture, (2) the title of the curriculum in city planning be changed to curriculum in urban planning, (3) the curriculum be revised to increase the total number of semester hours required for graduation from 122 to 132, exclusive of the general University requirements in military

training and physical education, and (4) the name of the degree be changed from Bachelor of Science in City Planning to Bachelor of Urban Planning. The master's degree will be changed to Master of Urban Planning.

Submitted herewith is a supporting memorandum giving the details of the proposed revision of the city planning curriculum, and a copy is being filed with the Secretary of the Board.

The present city planning curriculum was established in 1953 and was revised in 1957. The proposed changes provide a more flexible program, full compliance with the general education requirements approved by the Senates and the Board of Trustees, and will also provide improved professional and supporting course work. Professional courses will be concentrated in the junior and senior years since many of the students enrolled in this curriculum are transfers from other curricula. The proposed degree of Bachelor of Urban Planning is recognized by the American Institute of Planners as evidence of a professional education and qualifies the graduate for membership in professional organizations.

The proposed program will add three new courses not now offered and will drop one course and part of another.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

All these changes are to become effective September 1, 1964.

I recommend approval.

On motion of Mr. Williamson, these recommendations were approved.

#### **REVISIONS IN THE CURRICULUM PREPARATORY TO THE TEACHING OF RUSSIAN**

(6) The Urbana-Champaign Senate has approved a recommendation from the College of Liberal Arts and Sciences and the Council on Teacher Education for certain revisions in the curriculum preparatory to the teaching of Russian leading to the degree of Bachelor of Arts in the Teaching of Russian, to become effective immediately.

Submitted herewith is an extract from the report of the Committee on Courses and Curricula of the College of Liberal Arts and Sciences giving the details of these revisions, including the specific requirements in education courses, teachers' major and minor in Russian, approved sequences in other courses, and recommended electives, a copy of which is filed with the Secretary of the Board.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I concur.

On motion of Mr. Swain, this recommendation was approved.

#### **EMPLOYMENT OF ARCHITECT FOR THE DIGITAL COMPUTER LABORATORY SECOND ADDITION**

(7) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of A. Epstein and Sons Inc., Chicago, for architectural services for the second addition to the Digital Computer Laboratory, at a fee of 5¼ per cent of the total construction cost, with the understanding that supervisory services will be limited to office supervision, checking of drawings, approval of materials, and periodic visits to the project.

Funds are available from United States government contracts.

I concur.

On motion of Mrs. Watkins, this recommendation was approved.

#### **CONTRACTS FOR IMPROVEMENTS AT THE NATURAL HISTORY BUILDING**

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling in the Natural History Building, the award in each case to the lowest bidder:

General—English Brothers Company, Champaign.....	\$190 760
Base bid .....	\$185 300
Additive alternates for:	
Service charge for supervision of other contracts assigned to the general contractor.....	3 000

Substitution of rubber floor covering for vinyl asbestos in the lecture room.....	1 110
Addition of terrazite on entrance stairs.....	1 350
Electrical—William H. Brunkow, an individual doing business as Brunkow Electric Company, Champaign.....	19 717
Plumbing—Reliable Plumbing and Heating Company, Champaign....	5 190
Heating and Air Conditioning—F. R. Inskip, an individual doing business as Inskip Plumbing, Heating, and Air Conditioning Company, Champaign.....	9 125
Ventilating—F. R. Inskip, an individual doing business as Inskip Plumbing, Heating, and Air Conditioning Company, Champaign..	15 885
<i>Total</i> .....	<u>\$240 677</u>

Since one contractor is the lowest bidder on both heating and air-conditioning work and on ventilating work, it is also recommended that these two awards be combined in a single contract for a total amount of \$25,010.

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work making the total of his contract \$240,677; and it is further recommended that an agreement be entered into with English Brothers Company, Champaign, for the assignment of these other contracts for \$3,000, which amount is included in the contract price being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in state capital appropriations to the University for 1963-65 and have been released.

Submitted herewith is a supporting memorandum from the Physical Plant Department on this project, including a schedule of all bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

#### CONTRACT FOR ELECTRICAL ENGINEERING BUILDING ELEVATOR MODERNIZATION

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$10,041 to the Otis Elevator Company, Chicago, for modernization of the Electrical Engineering Building freight elevator.

Funds are available in the construction budget of the Electrical Engineering Building addition.

I concur.

On motion of Mr. Johnston, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

#### CONTRACT FOR CAMPUS BUS SERVICE

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend extension of the present contract with the Champaign-Urbana City Lines, Inc. for the campus bus service for students and staff until January 31, 1964. The present contract which was authorized by the Executive Committee of the Board on August 1, 1963, will expire November 27. When studies, now under way, of a more comprehensive campus transportation program are more advanced, bids will be taken and a further report will be made to the Board. In the meantime, it is desired to continue providing bus transportation for students and staff as approved by the Executive Committee of the Board when the present contract was authorized.

Submitted, herewith, is a copy of the recommendation for the campus bus service now in operation as approved on August 1, 1963, and a copy is being filed with the Secretary of the Board as a part of this record.

On motion of Mr. Swain, extension of this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes,



Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

**CONTRACT FOR STEAM SERVICE TO AN OUT-PATIENTS HEALTH SERVICE BUILDING IN THE MEDICAL CENTER DISTRICT**

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract with Union Health Service, Inc., for steam service from the Medical Center Steam Company Plant to an Out-Patients Health Service Building being constructed in the Medical Center District, North of Polk Street between Marshfield Avenue and Ashland Avenue, said contract to be on the same basis as the University's contracts with other consumers of steam in the Medical Center District supplied by the Company in accordance with its corporate powers and responsibilities.

The requirements of this Out-Patients Health Service Building will not exceed 2500 pounds per hour maximum demand, which is within the capacity of the present plant and distribution system.

I concur

On motion of Mrs. Watkins, this recommendation was approved, and authority was given as requested, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

**CONTRACT FOR CONDUCTIVE FLOOR TILE, SURGICAL SUITES, RESEARCH AND EDUCATIONAL HOSPITALS AND HOSPITAL ADDITION**

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend the award of a contract to the Johnson Floor Company, Inc., Berwyn, for the installation of conductive floor tile in certain designated surgical suites in the Research and Educational Hospitals and the Hospital Addition on the Medical Center Campus on the following terms:

Base bid .....	\$4 250
Additive alternates:	
Work in corridor serving Rooms 285, 289, 292, General Hospital.....	595
Work in corridor serving Rooms 406, 408, 409, Hospital Addition....	940
Work in corridor serving Rooms 46, 48, 50, Hospital Addition.....	830
Work in corridor serving Rooms 431, 435, 438, Hospital Addition....	440
Total .....	\$7 055

The work will be installation of conductive floor tile in operating rooms and auxiliary areas for the reduction of explosion hazards and to comply with the National Fire Protection Association's "Safe Practices for Hospital Operating Rooms."

Funds are available in the Physical Plant maintenance budget.

A schedule of bids received is submitted herewith, and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

**CONTRACTS FOR ALTERATIONS IN DENTISTRY-MEDICINE-PHARMACY BUILDING**

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommended award of contracts for alterations on the eighth floor attic of the first unit of the Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

General — Ashland Construction Company, Chicago.....	\$34 342
Base bid .....	\$32 742
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	1 600

Plumbing—Ashland Plumbing and Heating Company, Chicago.....	2 835
Heating, Refrigeration, and Temperature Control—Crown Temperature Engineers, Inc., Chicago.....	8 947
Ventilating—A C Company, Chicago.....	13 998
Electrical—Fries Walters Company, Chicago.....	12 987
<i>Total</i> .....	<u>\$73 109</u>

The contracts will provide for complete rehabilitation of the eighth floor attic, previously a storage area, to provide additional quarters for the center for the study of medical education which represents an extension of the work now being conducted by the Office of Research in Medical Education. This remodeling will add six new offices, study carrels, a teaching laboratory workshop, a classroom-conference room, and other auxiliary space.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$73,109; and that an agreement be entered into with Ashland Construction Company for the assignment of these other contracts for \$1,600 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in a grant from the Commonwealth Fund.

A schedule of all bids received is submitted herewith, and a copy is filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

#### ADDITION TO CONTRACT FOR CONSTRUCTION OF THE ILLINOIS STREET RESIDENCE HALLS

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$16,665.01 in the contract with Kuhne-Simmons Company, Inc. for construction of the Illinois Street Residence Halls to provide for installation of acoustic ceiling tile in lieu of plaster for sound control in the corridors, unit lounges, and elevator lobby areas of all floors in the five-story building and of the second through eleventh floors in the high-rise building.

Funds are available in the construction budget for the project.

I concur.

On motion of Mr. Hughes, this change in contract was authorized.

#### PURCHASES

(15) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and from University revolving funds authorized by law.

#### *Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One microphotometer, console comparator, for two four by ten inch spectrographic plates and equipped with an electronic device for retaining the minimum per cent transmission value of a scanned spectral line until released, and one spectrographic unit, direct reading and photographic, complete with accessories comprised of: two pair tungsten electrodes and one four mm excitation unit	Agronomy	Jarrell-Ash Co., Elmhurst	\$57 634 46 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One automatic polarimeter, two cells and recorder accurate to 0.1 per cent, for use in determining the rotation of various compounds with low optical activity (Note: This purchase is from both Institutional Funds, \$2,995.00, and Appropriated Funds, \$3,000.00, for a total of \$5,995.00.)	Animal Science	E. H. Sargent & Co., Chicago	\$3 000 00 f.o.b. delivered
One spectrophotometer, infrared, with linear wave number chart presentation for use in a teaching course	Chemistry and Chemical Engineering	Beckman Instruments, Inc., Lincolnwood	5 670 00 f.o.b. delivered
Three receivers, HF communication, 2-30 MC continuous coverage; type of reception USB or LSB, AM and CW	Electrical Engineering	Collins Radio Co., Cedar Rapids, Iowa	4 113 00 f.o.b. delivered
Two microwave oscillators, frequency range 8.2 to 12.4 GC; $\pm 1$ per cent accuracy; 10 mw minimum output, continuously adjustable to 0; with leveler amplifier	Electrical Engineering	Alfred Electronics, c/o Carter Electronics, Inc., Chicago	5 780 00 f.o.b. Palo Alto, Calif.
Five oscilloscopes, dual trace, with null-readout features; sensitivity 0.1 mv/cm, bandwidth DC to 500 KC	Electrical Engineering	Analab Instrument Corp., c/o Bard Associates, Inc., La Grange	4 975 00 f.o.b. Cedar Grove, N.J.
Five function generators with four simultaneous outputs (sine, square, ramp, and triangle waveforms), frequency range 0.001 to 10,000 cps, main output adjustable from 5 to 25 volts, P-P with adjustable DC reference level	Electrical Engineering	Exact Electronics, Inc., c/o Bard Associates, Inc., La Grange	2 975 00 f.o.b. Hillsboro, Ore.
Eleven vacuum tube voltmeters, ranges 1.0 mv to 300 volts full scale, 12 ranges; 10 cps to 4 MC; accuracy $\pm 5$ per cent at 4MC; long term stability less than 0.5 per cent error 50 cps to 1MC	Electrical Engineering	Hewlett-Packard Co., c/o Crossley Associates, Chicago	2 750 00 f.o.b. Loveland, Colo.
One sweep frequency generator, frequency range 0.7 to 230 MC, plus bandspread ranges for 450KC and 10.7MC; calibration accuracy $\pm 0.5$ per cent at output voltage less than 0.3 volts; drift not greater than 0.3 per cent for five hours	Electrical Engineering	General Radio Co., Oak Park	3 250 00 f.o.b. West Concord, Mass.
One inductance measuring assembly consisting of bridge and two 200 volt-ampere power supplies (one DC and one AC), a cabinet type rack, and necessary connecting cables; measures nine frequencies from 50 cps to 15.75 KC	Electrical Engineering	General Radio Co., Oak Park	3 230 00 f.o.b. West Concord, Mass.
Four wave analyzers, frequency range 20 cps to 50 kc, linear graduations 1 division per 10 cycles, accuracy $\pm 1$ per cent $\pm 5$ cps, voltage range 30 microvolts to 300 volts, automatic frequency control	Electrical Engineering	Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago	7 200 00 f.o.b. Palo Alto, Calif.
19,275 pounds steel, hot rolled and cold drawn, in 16 foot lengths, for use for experiments and research projects within the College of Engineering	Theoretical and Applied Mechanics	Steel Warehousing Division, Jessop Steel Co., Chicago	2 856 13 f.o.b. delivered
Print and bind 35,000 copies <i>Time Table</i> , second semester, 1963-64, trim size 5 1/4 in. by 8 1/4 in., approximately 336 pages per copy	University Press	George Banta Co., Chicago	7 882 00 f.o.b. delivered
One truck, 1964 model, 20,000 lb. standard minimum GVW, complete with dump body, hydraulic dump hoist, and front end loader; without trade-in	Physical Plant	International Harvester Co., Springfield	7 559 33 f.o.b. delivered

*Purchases from Institutional Funds*

One lot of electronic test equipment consisting of two oscilloscopes and three plug-in preamplifiers	Aeromedical Laboratory, Chicago	Tektronix, Inc., Park Ridge	3 635 00 f.o.b. Beaverton, Ore.
One high-speed refrigerated centrifuge and accessories	Biological Chemistry, Chicago	Ivan Sorvall, Inc., Norwalk, Conn.	3 462 00 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
X-ray film processing equipment consisting of one film drier, one refrigerated tank, one mixing valve, one film processor, one stapler and staples, one leader, and one storage bin	Dental Radiology, Chicago	General Electric Co., Chicago	\$ 3 027 07 delivered
One lot of laboratory equipment and supplies consisting of one portable refrigerated centrifuge, one horizontal head, one angle head; twelve metal shields, fifty boxes of filter paper, twenty-four pre-pipettes, 350 oz. microscope cover glasses	Medical Center Stores, Chicago	A. Daigger & Co., Chicago	3 234 20 delivered
Inverted camera microscope and accessories	Oral Pathology, Chicago	W. H. Kessel & Co., Chicago	4 684 51 delivered
One liquid scintillation spectrometer	Pharmacology, Chicago	Packard Instrument Co., Inc., La Grange	12 500 00 delivered
One ultra high-speed centrifuge with two rotors	Psychiatry, Chicago	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	8 082 00 delivered
One spectrometer system, nuclear magnetic resonance wide-line process analyzer, complete with control console and all electronic components, including a graphic recorder, permanent magnet with sweep coils and accessories	Agronomy	Varian Associates, Park Ridge	20 640 00 f.o.b. delivered
One radar test unit (used), X-band to include signal generator, power monitor, spectrum analyzer, and echo box	Institute of Aviation	Allen Aircraft Radio, Inc., Elk Grove Village	9 250 00 f.o.b. Chicago
One aircraft radar system, X-band to include transmitter-receiver, shock-mounts, synchronizer, indicator, control unit, and antenna			
One flaw detector, ultrasonic, universal, including detector, calibration and test block, cables, couplant, thickness indicator, equipment for measurement of elastic constants, and one set of transducers	Civil Engineering	Krautkramer Ultrasonics, Inc., Stratford, Conn.	6 733 00 f.o.b. Stratford, Conn.
Eight shock absorbers, hydraulic, capable of stopping a moving load of 20 pounds with an initial contact velocity of 20.85 ft. per second, with a maximum duty cycle of 300 operations per hour	Civil Engineering	Ellis-Fluid Dynamics Corp., Chicago	3 160 00 f.o.b. delivered
One liquid scintillation spectrometer, fully transistorized and including a stable high voltage supply with stepwise control and precise resettability; two channel with pulse height discrimination and independent gain control on each, fully reconditioned with a new instrument warranty	Dairy Science	Packard Instrument Co., Inc., La Grange	8 000 00 f.o.b. delivered
One gas chromatograph, isothermal, with dual plug-in argon ionization or electron capture detectors capture detectors capable of independent and/or simultaneous column operation	Entomology	Packard Instrument Co., La Grange	3 732 00 f.o.b. delivered
One microscope, phase contrast, with combination binocular-monocular photo tube and tube length compensator, and accessories	Entomology	W. H. Kessel & Co., Chicago	3 764 00 f.o.b. delivered
One microscope, polarizing, with variable camera length, tube for vertical illumination, plastic cover and accessories (Note: This purchase is from both Institutional Funds, \$3,992.00, and Appropriated Funds, \$3,512.00, for a total of \$7,504.00.)	Geology	W. H. Kessel & Co., Chicago	3 992 00 f.o.b. delivered
One television tape recorder, transistorized, portable, and capable of recording and playback of standard EIA television signals or closed circuit industrial signals, takes two-inch tape, one and one-half hours continuous recording	Instructional Television	Ampex Corp., Elmhurst	12 210 16 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One gas chromatography system including dual column oven, electrometer, power supply, dual recorders, continuous flow detectors, tri-carb spectrometer, data printer, and dual precision log-linear ratemeter, to be used for measuring radioisotopes in various effluents derived through gas chromatography	Microbiology	Packard Instrument Co., Inc., La Grange	\$17 643 00 f.o.b. delivered
One oscilloscope, storage type, with 8 by 10 cm display area, 3.5 kv accelerating voltage, storage time one hour, erase time one-fourth second	Physics	Tektronix, Inc., Park Ridge	2 700 00 f.o.b. Beaverton, Ore.
One dual trace sampling plug-in unit			
One sampling sweep plug-in unit			
Three electronic instrumentation laboratory assemblies, each consisting of one each: universal power supply, voltage reference source, transistorized power supply, lab meter, three-inch oscilloscope, resistance and capacitance substitution boxes, volt-ohm-milliammeter, sine-square wave generator, vacuum tube voltmeters, experimental chassis and parts, amplifier parts, and small tool set	Division of University Extension	Heath Co., Benton Harbor, Mich.	2 970 00 f.o.b. Benton Harbor, Mich.
Accessories for existing electron microscope: one anti-contamination device, one specimen exchange mechanism, two click-stop lens aperture assembly, one click-stop objective lens focusing system, one exposure meter--auto-timer-shutter assembly	Veterinary Medicine	Perkin-Elmer Corp., La Grange	3 550 00 f.o.b. Norwalk, Conn.
One electron microscope, guaranteed resolution better than 7 angstroms, double condenser lens, accelerating voltages 50, 75, and 100 KV, magnification 400 to 250,000 times, with cold-stage unit to minus 160 degrees C with liquid N <sub>2</sub> spare assembly, and includes delivery, installation, instruction, and two-year service contract	Zoology	Perkin-Elmer Corp., La Grange	33 346 00 f.o.b. delivered
Continuous tabulating forms for one year beginning January 1, 1964, and ending December 31, 1964, to be delivered in two equal shipments January 1 and July 1, 1964	Statistical Service Unit	Shelby Salesbook Co., Champaign	14 869 50 f.o.b. delivered
Option to buy additional tabulating forms as needed in excess of the minimum quantities specified			
The forms are standard stock forms used on data printers of the Statistical Service Unit			
70,000 pounds white lead paste, soft, Type C, in 100 pound kegs, to be delivered as needed and requested from January, 1964, through November, 1964	Physical Plant Storeroom	National Lead Co., Chicago	13 615 00 f.o.b. delivered
Two sets parking gates, automatically controlled and operated by coins or coded cards, to be furnished and installed complete with all necessary components ready to be connected to electrical circuits furnished by the University	Physical Plant Department	Parklane Co., Inc., Clinton, Mich.	7 352 10 f.o.b. delivered and installed
Labor, material, and supervision to install acoustical tile on ceilings of corridors, lounge areas, drinking fountain areas, and elevator entrance areas in Babcock and Carr Halls of the Pennsylvania Avenue Residence Halls complex on the Urbana campus	Physical Plant Department	George S. Grimmett & Co., Springfield	12 940 00 f.o.b. delivered and installed
Automobiles and trucks, 1964 models, as follows:	Physical Plant Department	Courtesy Motor Sales, Inc., Chicago	31 246 00
Twenty-seven sedans, four-door, less trade-in of five 1962 standard and nineteen 1961 compact sedans		Rosetter Motor Co., Peoria	13 150 00
One sedan, four-door, police car, less trade-in of 1963 model police car		Gregory Ford Co., Decatur	4 147 87
One sedan, four-door, without trade-in		Carl Chevrolet Co., Springfield	6 051 39

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Fifteen station wagons, nine passenger, less trade-in of one 1962 and fourteen 1961 model station wagons		Sullivan Chevrolet Co., Champaign	\$ 1 552 34
One carryall vehicle, less trade-in of 1961 carryall vehicle		International Harvester Co., Springfield	4 302 82 (60 450 42) f.o.b. delivered
One carryall vehicle, without trade-in			
Two trucks, one-half ton pickup, less trade-in of one 1958 and one 1959 one-half ton trucks			
One truck, one-half ton pickup, without trade-in			

On motion of Mr. Johnston, these purchases were authorized.

#### QUARTERLY REPORT OF THE COMPTROLLER

(16) The Comptroller presented his quarterly report to the Board as of September 30, 1963.

This report was received for record, and a copy is being filed with the Secretary of the Board.

#### COMPTROLLER'S REPORT OF CONTRACTS

(17) The Comptroller's report of contracts executed during the period October 1 to 31, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Morris Animal Foundation	A clinical pathologic study of babesia canis (piroplasmosis) in the intact and splenectomized dog	\$ 3 900 00	August 19, 1963
Morris Animal Foundation	Feline hemobartonellosis	4 111 25	September 11, 1963
United States Air Force AF-AFOSR-480-64	Information, communication, many-valued logic, and meaning	47 520 00	October 2, 1963
United States Air Force AF01(611)-1377	Provide flight instruction for twenty-one students	11 551 16	September 19, 1963
United States Air Force AF19(628)-3307	Basic properties of gaseous plasmas	50 000 00	August 1, 1963
United States Army DA-11-022-AMC-890(R)	Plan and conduct a conference on direct aeronomic measurements in the lower ionosphere	11 994 00	September 26, 1963
United States Army DA-18-064-AMC-197(A)	Elucidate the complete histology of the mosquito, <i>Aedes aegypti</i>	50 100 00	October 17, 1963
United States Department of Labor, Office of Manpower, Automation, and Training	Evaluation of training and recruitment problems for selected technical occupations in short supply	70 419 00	September 11, 1963
<i>Total</i>		<u>\$249 595 41</u>	

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
National Attractions, Inc.	Presentation of "My Fair Lady" (four performances)	75 per cent of gross proceeds after taxes and certain settlements	October 1, 1963
State's Attorney of DeKalb County	Payment in lieu of taxes, for services rendered (Wright)	\$ 5 704 23	September 18, 1963
State's Attorney of Piatt County	Additional payment in lieu of taxes, for services rendered (Allerton and Warren)	497 20	October 14, 1963
<i>Total</i>		<u>\$ 6 201 43</u>	

#### Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Business Machines Corp.	One item: one model 1-557 alphabetic interpreter	\$ 1 680 00	September 18, 1963
Theo Wells (renewal)	Rental of office space at 608 West Tenth Street, Metropolis, from September 1, 1963, through February 29, 1964, for zoonoses research	600 00 (\$100.00 per month)	September 1, 1963
<i>Total</i>		<u>\$ 2 280 00</u>	

**Contract Changes**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Air Force AF33(637)-10822	Deformation and fracture of crystalline solids under dynamic loading	\$ 23 000 00	September 16, 1963
United States Army DA-11-032-CIVENG-63-56	Instruction in water resources planning	1 975 00	October 10, 1963
United States Army DA-49-193-MD-2060	Interpersonal and psychological adjustment of group members	32 048 00	October 2, 1963
United States Army DA-49-193-MD-2323	Manual of viruses and non-bacterial agents causing respiratory illnesses in man	6 724 00	October 7, 1963
United States Atomic Energy Commission AT(11-1)-1198	Research on the nature of materials for October	100 000 00	October 1, 1963
United States Department of Health, Education, and Welfare OE-3-10-026	Sciences concept development in the elementary school through inquiry training	16 423 00	October 2, 1963
United States Navy Nonr-1459(06)	Development of a gas chromatography technique for determination of adrenocortical steroids and investigate the effects of stresses on tissue metabolism	8 613 00	September 26, 1963
United States Navy Nonr-1834(12)	Properties of insulating solids	20 000 00	September 23, 1963
United States Navy Nonr-1834(26)	Plastic deformation of solids	21 000 00	October 7, 1963
University of Virginia Task order under Nonr-3623(S-6)	Statistical properties of two-phase flow	27 000 00	October 1, 1963
VioBin Corp.	Value of wheat germ oil in physical fitness	4 800 00	September 5, 1963
<b>Total</b>		<b>\$261 583 00</b>	

**Adjustments Made in 1963-64 Cost-Plus Contracts**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
George S. Grimmett & Co. (Plastering)	Fifteen items: \$25.00 to \$800.00	\$ 2 280 00	September and October, 1963
<b>Total</b>		<b>\$ 2 280 00</b>	

**Summary**

Amount to be paid to the University.....	\$511 178 41
Amount to be paid by the University.....	10 761 43

This report was received for record.

**INVESTMENT REPORT****Report of the Finance Committee**

(18) The Finance Committee reported the following changes in investments of endowment and other funds for the month of September, 1963:

**Pool**

<b>Sale</b>		
600 shares	Mississippi River Fuel common	\$ 23 739 02
<b>Purchase</b>		
600 shares	Northern States Power common	\$ 22 048 14
<b>Exchange</b>		
\$ 4 000	U. S. Treasury Notes 3½	8/15/67 for
4 000	U. S. Treasury Bonds 4	8/15/73

**Report of the Comptroller**

The Comptroller reported the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

*Current Funds*

## Restricted Group (June 20, 1962)

## Purchase

\$ 500 000	U. S. Treasury bills	10/15/63	\$ 498 685 56
1 500 000	U. S. Treasury bills	11/29/63	1 489 719 17
500 000	U. S. Treasury bills	12/26/63	495 500 00
500 000	Commercial Credit notes	3/16/64	490 572 92
500 000	Montgomery Ward Credit notes	4/15/64	488 649 31
500 000	International Harvester Cr.	5/15/64	487 029 51

*Construction Funds*

## Assembly Hall (June 23, 1959, and March 17, 1962)

## Purchase

\$ 150 000	U. S. Treasury bills	1/16/64	\$ 148 256 42
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## Chicago—Congress Circle Union (June 19, 1963)

## Purchase

\$ 197 000	U. S. Treasury bills	10/24/63	\$ 196 358 38
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## Illini Union and Health Center Construction (December 21, 1960)

## Sale

\$ 5 000	U. S. Treasury bills	10/17/63	\$ 4 988 60
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## Purchase

\$ 55 000	U. S. Treasury bills	1/16/64	\$ 54 364 41
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## Illinois Street Residence Halls (October 17, 1962)

## Purchase

\$ 100 000	U. S. Treasury bills	1/16/64	\$ 98 844 39
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## Orchard Downs and SG-2 (June 14, 1960)

## Purchase

\$ 65 000	U. S. Treasury bills	1/16/64	\$ 64 248 85
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## Orchard Downs Addition (May 24, 1962)

## Sale

\$ 36 000	U. S. Treasury bills	10/17/63	\$ 35 941 35
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## Pennsylvania Avenue Residence Halls (June 21, 1961)

## Purchase

\$ 95 000	U. S. Treasury bills	11/14/63	\$ 94 506 83
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## Student Services (May 17, 1961)

## Purchase

\$ 10 000	U. S. Treasury bills	11/14/63	\$ 9 948 04
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*Sinking Funds*

## Chicago—Dentistry-Medicine-Pharmacy Reserve (December 16, 1953)

## Purchase

\$ 4 500	U. S. Treasury bonds	4	2/15/80	\$ 4 466 25
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## Reserve for Additional 1952 Bonds (December 16, 1953)

## Purchase

\$ 26 000	U. S. Treasury bonds	3½	11/15/74	\$ 25 723 75
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## Student Services (May 17, 1961)

## Purchase

\$ 7 000	U. S. Treasury bills	7/15/64	\$ 6 790 03
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On motion of Mr. Williamson, this report was received for record.

**APPROPRIATIONS FOR NONRECURRING EXPENDITURES**

(19) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

*Urbana-Champaign*

## 1. College of Education

University High School, equipment..... \$ 4 850



2. College of Engineering	
Department of Civil Engineering, equipment.....	8 850
Highway Traffic Safety Center, traffic study vehicle and related equipment.....	14 900
Department of Mining, Metallurgy, and Petroleum Engineering, expense of moving into former Physics Laboratory.....	15 500
Nuclear Engineering Committee, equipment.....	9 600
3. College of Fine and Applied Arts	
School of Music, equipment.....	5 667
4. College of Liberal Arts and Sciences	
Department of Botany, equipment.....	6 343
Department of Entomology, equipment.....	9 000
Department of Geology, air conditioners.....	2 760
Department of Speech and Theatre, equipment.....	7 250
5. Library	
Educational and Behavioral Sciences Library, equipment and moving costs.....	21 481
Library, catalog equipment.....	15 200
6. Executive Vice-President and Provost's Office	
University Honors Programs, equipment.....	3 973
7. Physical Plant Department	
Remodeling in Davenport Hall for Department of Plant Pathology	19 885
Installation of a new transformer and power distribution system for the research laboratory of Department of Agricultural Engineering	13 525
Remodeling in Agricultural Engineering Building.....	4 015
Remodeling and air conditioning in Engineering Administration offices.....	12 865
Remodeling in Hydraulics Laboratory for Department of Civil Engineering.....	10 770
Modernization of lighting in the Gallery in Architecture Building..	5 040
Remodeling for a darkroom for Department of Botany.....	3 550
Lighting and cooling the North Greenhouse for the Department of Botany.....	9 941
Remodeling in Library.....	5 200
Modernization of lighting in University Library and in departmental libraries.....	40 000
Air conditioning of administrative offices for the Armed Forces in the Armory.....	11 805
Remodeling of house at 1205 West Oregon Street, Urbana, for University Honors Programs (this is a former residence purchased by the University several years ago).....	8 880
Modernization of electrical distribution and supply systems in various buildings.....	100 000
<i>Total, Urbana-Champaign</i> .....	\$370 850
<i>Chicago Undergraduate Division</i>	
8. Library, supplementary book funds.....	\$ 30 000
9. College of Architecture and Art, equipment.....	4 583
10. Physical Plant Department	
Remodeling for College of Architecture and Art.....	5 000
<i>Total, Chicago Undergraduate Division</i> .....	\$ 39 583
<i>Medical Center</i>	
11. Illustration Studios, equipment.....	\$ 12 783
12. Research and Educational Hospitals, equipment.....	5 500
13. Physical Plant Department	
Remodeling in Research and Educational Hospitals.....	10 700
<i>Total, Medical Center</i> .....	\$ 28 983

I concur.

On motion of Mr. Swain, these appropriations and assignments of funds were made by the following vote: Aye, Mr. Clement, Mr. Dil-

liard, Mr. Hughes, Mr. Johnson, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

**EASEMENT TO COMMONWEALTH EDISON COMPANY  
AND ILLINOIS BELL TELEPHONE COMPANY**

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend that an easement be granted the Commonwealth Edison Company and the Illinois Bell Telephone Company for electric and telephone service to the addition to the Drug and Horticultural Experiment Station in DuPage County, at Lisle, Illinois, now under construction.

I concur, and recommend adoption of the following resolution:

**Resolution Authorizing Granting of Easement to Commonwealth Edison Company and Illinois Bell Telephone Company Upon, Along, Over, and Under the Site of the Drug and Horticultural Experiment Station**

*Be It, and It Is Hereby Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of conveyance, contract, or other document or documents as to them may seem necessary or desirable in order to grant to Commonwealth Edison Company and Illinois Bell Telephone Company, both Illinois corporations, hereinafter referred to as "Grantee," its successors and assigns, jointly and severally, the right, permission, and authorization to construct, maintain, relocate, and renew equipment consisting of poles, pole structures, push poles, anchors, guys, stubs, conduits, wires, cables, and other necessary electrical facilities, upon, along, over, and under said property and to transmit and distribute by means of said equipment, electricity to be used for heat, light, power, telephone, and other purposes, and also to trim from time to time such trees, bushes, and saplings as may be reasonably required incident to the grant herein given, together with the right of ingress to and egress from said property at all times for any and all such purposes; Grantee shall agree to repair any damage to property of this Corporation and to pay for any damages which may be caused to property of this Corporation by the laying, construction, reconstruction, operation, maintenance, renewal, or removal of said facilities. The right-of-way easement shall terminate ninety (90) days after the Grantee ceases to use said facilities for rendition of service. The right-of-way easement shall be located upon, over, and under said part of the property of said Grantor described as follows:

A strip of land Ten (10) feet wide, the Easterly line of said strip of land being described as follows: That part of Lot Two (2) of Assessment Plat No. Three (3) according to the plat thereof recorded March 30, 1935, in Book 20 of Plats on Page 91 as Document No. 357009 in the Recorder's Office, Du Page County, Illinois, described by commencing at the Northeast corner of Section 1, Township 38 North, Range 10, East of the Third Principal Meridian; and running thence South 0°12' East along the East Line of said Section 1, 1270.05 feet to a corner of said Lot Two (2); thence south 84°13' West along a South line of said Lot, 346.5 feet for a place of beginning; Thence South 6°10' East along an Easterly line of said Lot Two (2) to terminate with the North line of Lacey Road (as now established); said strip of land, as described, being a part of the Grantors lands described in that certain Document No. 478301 recorded May 23, 1954, in Book 447, at Pages 450 to 456, inclusive of Deeds, at the Recorder's Office, Du Page County, Illinois.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page; not voting, Mr. Hughes.

**APPOINTMENT OF CONSULTANT TO PRESIDENT AND TO EXECUTIVE  
VICE-PRESIDENT AND PROVOST**

(21) I recommend the appointment of Dr. Shannon McCune, presently Civil

Administrator in the United States Civil Administration of the Ryukyu Islands, as Consultant to the President and to the Executive Vice-President and Provost beginning February 1, 1964, or as soon thereafter as may be mutually convenient, the effective date to be determined when he can arrive at the University, at an annual salary of \$18,000 on a twelve-month service basis.

The duties of the position will be on assignment by the President and the Executive Vice-President and Provost, initially in internal administration. The Consultant as a representative of the offices of the President and the Provost, will work with the deans of the several colleges at Urbana-Champaign, at the Medical Center, and at the Chicago Undergraduate Division in planning and implementation of educational programs.

On motion of Mrs. Watkins, this appointment was approved.

#### AMENDMENTS OF THE UNIVERSITY OF ILLINOIS STATUTES

Mr. Johnston, for the Committee on General Policy, offered the following resolution and moved its adoption:

On June 19, 1963, the President of the University transmitted to the Board of Trustees the actions of the Senates, with reference to proposed changes in the Statutes of the University which deal with academic freedom and tenure.

By action of the Board, the recommendations were referred to the General Policy Committee for study and report.

The General Policy Committee has reviewed the proposals and discussed them with the President and the Legal Counsel.

The Committee finds itself in agreement with some of the proposals, but has modifications to suggest in others.

It appears to the Committee that communication with the Senates might be expedited through informal conference with their representatives.

Accordingly, it is recommended that the President of the University be requested to arrange a meeting on this subject, as soon as practicable, to be attended by the General Policy Committee and the President of the Board, the Chairman and one other member of each Senate Committee on Academic Freedom (to be designated by the Chairman or the Committee), the Chairman and Secretary of the Senate Coordinating Council (or their alternates), and the President of the University and such consultants as he may designate.

This resolution was adopted.

#### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; cancellations, declinations, resignations, and terminations; leaves of absence; retirements.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

ADES, HARLOW W., Consultant in Electrical Engineering (C), one year from September 1, 1963, \$3,000 (11-1-63).

ADKINS, RICHARD W., Assistant Professor of Mechanical Engineering (C), to render service during the academic year beginning November 1, 1963, \$7,000 (11-6-63).

AHRENKIEL, RICHARD K., Research Assistant in Physics (C), two months from November 1, 1963, \$1,022.24 (11-5-63).

ALBRIGHT, ELSIE F., Instructor in Medical Social Work (Medicine), October 3, 1963-August 31, 1964, \$8,000 a year (10-12-63).

ALEXANDER, HARLAN G., Assistant in Psychiatry (Medicine), July 1, 1963-August 31, 1964, without salary (11-7-63).

ASPEN, ANITA J., Research Associate in Dairy Science (S), October 7, 1963-August 31, 1964, \$7,000 a year (11-6-63).

AXELRAD, DAVID R., Visiting Lecturer in Theoretical and Applied Mechanics (C), October 15, 1963-January 31, 1964, \$3,850 (10-21-63).

- BALES, RETTA E., Assistant Director of Admissions and Clinics, Research and Educational Hospitals (Admissions and Clinic Administration), one year from September 1, 1963, \$9,950, supersedes (10-28-63).
- BAY, MRS. ANCELLA S., Microanalyst in Chemistry, September 16, 1963-August 31, 1964, \$4,983.30 (10-15-63).
- BEAMAN, DONALD R., Research Assistant Professor of Metallurgy (C), eleven months from October 1, 1963, \$9,000 a year, supersedes (10-16-63).
- BENFORD, MYRON C., Associate Medical Director, Director of Admissions and Director of Clinics (Research and Educational Hospitals) (Admissions and Clinic Administration), one year from September 1, 1963, \$14,000, supersedes (10-28-63).
- BENNETT, WILMA, Bibliographer, with rank of Instructor (Library), eleven months from October 1, 1963, \$6,800 a year (10-12-63).
- BORECKY, VLASTIMIL P., Visiting Professor of General Engineering (C), nine months from September 16, 1963, \$10,000, supersedes (10-12-63).
- BRANDON, STANLEY D., Assistant in Orthopaedic Surgery (Medicine), nine months from October 1, 1963, without salary (10-21-63).
- BRAUNFELD, PETER G., Assistant Professor of Education and of Mathematics, ten months from November 1, 1963, \$12,000 a year (11-4-63).
- BREMER, MARY G., Assistant in Education (University High School), nine months from September 16, 1963, \$5,600 (10-15-63).
- BREUER, STEPHEN W., Research Associate in Chemistry, eleven months from October 1, 1963, \$6,100 a year (10-12-63).
- BREWER, JOHN M., Research Associate in Chemistry, eleven months from October 1, 1963, \$6,150 a year (11-1-63).
- BRIDGER, CLYDE A., Lecturer in Health and Safety Education (College of Physical Education), nine months from September 16, 1963, without salary (10-21-63).
- BRYANT, PAUL T., Editor in the Engineering Experiment Station, with rank of Instructor, with permission to devote 25 per cent time during each year to the work of the American Society for Engineering Education, for ten months from November 1, 1963, \$12,500 a year, supersedes (10-11-63).
- CANTWELL, FREDERICK F., Research Assistant in Chemistry,  $\frac{1}{2}$  time, October 21, 1963-January 31, 1964, \$782.78; this is in addition to his appointment as Assistant in Chemistry on  $\frac{1}{2}$  time (10-29-63).
- CARLSON, SYBIL B., Assistant in Elementary Education (College of Education), October 1, 1963-June 15, 1964, \$3,966.70, supersedes (10-29-63).
- CHURCHICK, JORGE E., Assistant Professor of Biological Chemistry, academic year beginning September 1, 1963, \$6,800 (10-31-63).
- CRUM, ROBERT J., Clinical Instructor in Prosthodontics (Dentistry), one year from September 1, 1963, without salary (11-1-63).
- DECKER, JOSEPH, Assistant in Ophthalmology (Medicine), ten months from September 1, 1963, without salary (10-17-63).
- DEER, MRS. BARBARA P., Research Associate in the Center for Zoonoses Research (College of Veterinary Medicine),  $\frac{3}{4}$  time, September 16, 1963-August 31, 1964, \$4,575 a year (10-12-63).
- DEGENFORD, JAMES E., Research Assistant in Electrical Engineering (C), eleven months from October 1, 1963, \$6,150 a year, supersedes (10-15-63).
- DEWAN, EDMUND J., Research Assistant in the Coordinated Science Laboratory (C), October 14, 1963-August 31, 1964, \$4,540.90 (10-31-63).
- DILL, ALLEN F., Associate Professor of Civil Engineering (C and S), indefinite tenure from September 1, 1963, to render service during each academic year, \$10,500 a year, supersedes (10-11-63).
- DORSETT, HAROLD L., Professor of Military Science and Head of the Department, indefinite tenure from October 1, 1963, without salary (10-12-63).
- DUA, RAMJI DASS, Research Associate in Dairy Science (S), September 27, 1963-August 31, 1964, \$6,500 a year, supersedes (10-7-63).
- DUNPHY, JAMES V., Instructor in Medicine (Medicine),  $\frac{1}{2}$  time, eleven months from October 1, 1963, \$5,000 a year (10-24-63).
- FALICOV, MRS. CELIA J., Instructor in Psychology, Department of Psychiatry (Medicine),  $\frac{3}{4}$  time, October 15, 1963-August 31, 1964, \$3,900 a year (10-21-63).
- FEDDER, EDWIN H., Visiting Lecturer in Political Science, February 1-June 15, 1964, \$1,222.22 a month (10-10-63).

- FLUECK, JOHN A., Instructor in Economics (Chicago Undergraduate Division),  $\frac{1}{2}$  time, September 1, 1963-February 29, 1964, \$1,400 (10-21-63).
- FLUMMERFELT, JOSEPH R., Instructor in Music,  $\frac{2}{3}$  time, academic year beginning September 1, 1963, \$4,890, supersedes (10-15-63).
- FRIEDMAN, MRS. FELICE C., Assistant in Nursing, September 30, 1963-June 15, 1964, \$555.55 a month (10-17-63).
- GARDNER, KARL E., Chief of Party, Adviser to Principal (Campus Office of A.I.D. Projects), for service under Contract US AID/AFE 132 at the Njala College, Sierra Leone, October 5, 1963-January 31, 1964, \$1,672.92 a month; and Professor of Nutrition (Dairy Science), indefinite tenure, and Associate Dean of College of Agriculture, February 1, 1964-August 31, 1965, \$18,250 a year, supersedes (10-10-63).
- GILBO, DONA M., Assistant in Nursing, January 2-June 15, 1964, \$666.66 a month (10-17-63).
- GOMBOS, GEORGE, Research Associate in Psychiatry (Medicine), ten months from November 1, 1963, \$8,750 a year, supersedes (10-21-63).
- GOTZ, GERTRUD, Assistant in Home Economics (S), one year from September 1, 1963, \$5,600 (10-15-63).
- GRITZ, NORMAN J., Instructor in Foreign Languages (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the first semester of the academic year, 1963-64, \$1,250 (10-12-63).
- GROVES, DAVID T., Research Associate in Dairy Science (S), ten months from November 1, 1963, \$6,600 a year (11-9-63).
- GUCKEL, MRS. MARY V., Instructor in German,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,000 (10-9-63).
- GUSTAFSON, DONALD H., Clinical Assistant in Medicine (Medicine), eleven months from October 1, 1963, without salary (10-17-63).
- HALEEM, MOHAMMED A., Research Associate in Chemistry, ten months from November 1, 1963, \$6,100 a year (11-7-63).
- HAMER, JOHN L., Assistant in Pediatrics (Medicine), ten months from September 1, 1963, without salary (11-5-63).
- HANDLER, ELLEN I., Research Associate in the Jane Addams Graduate School of Social Work,  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,600, supersedes (10-21-63).
- HANSMAN, ROBERT H., Research Associate in Geology, eleven months from October 1, 1963, \$7,200 a year (10-12-63).
- HARMS, ALFRED G., Research Associate in Agricultural Economics (S),  $\frac{3}{4}$  time, November 16, 1963-March 31, 1964, \$2,531.25 (10-18-63).
- HARRISON, ROBERT M., Research Associate in Soil Chemistry (Agronomy) (S), October 16, 1963-August 31, 1964, \$6,500 a year (10-21-63).
- HART, DAVID M., Research Associate in Chemistry, one year from September 1, 1963, \$6,600 (10-10-63).
- HARVIE, DOUGLAS C., Instructor in Mathematics,  $\frac{1}{3}$  time, September 16, 1963-January 31, 1964, \$222.22 a month (10-10-63).
- HASSINGER, MRS. GAIL S., Assistant in Nursing, nine months from September 16, 1963, \$5,000 (10-17-63).
- HEBLING, SARA Y., Assistant in Occupational Therapy (Medicine), one year from September 1, 1963, \$5,850 (10-21-63).
- HEMBROUGH, FREDERICK, Instructor in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), eleven months from October 1, 1963, \$8,100 a year, supersedes (10-12-63).
- HOAR, VICTOR M., Assistant in English, full time from September 16, 1963-January 31, 1964, \$2,100, and  $\frac{2}{3}$  time, February 1-June 15, 1964, \$1,400, supersedes (10-17-63).
- HORBERG, BARBARA E., Assistant in English (Chicago Undergraduate Division), first semester of academic year beginning September 16, 1963, \$2,200 (10-21-63).
- HORII, SATOSHI, Research Associate in Chemistry, one year from September 1, 1964, \$6,100 (10-24-63).
- ISAACS, THELMA J., Instructor in Chemistry (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$6,200 (10-24-63).
- JAVAHERI, HOOSHANG, Clinical Instructor in Medicine (Medicine), September 27, 1963-August 31, 1964, without salary (10-12-63).

- JEDLICZKA, ZOFIA, Assistant in Pediatrics (Medicine),  $\frac{1}{2}$  time, and Pediatrician (Division of Services for Crippled Children),  $\frac{1}{2}$  time, eleven months from October 1, 1963, \$5,600 a year, supersedes (10-17-63).
- KACHERU, BRAJ B., Research Associate in Linguistics, eleven months from October 1, 1963, \$6,100 a year (10-31-63).
- KAPCHE, ROBERT W., Clinical Assistant in Psychology (Department of Psychiatry) (Medicine), one year from October 1, 1963, without salary (10-17-63).
- KARNES, M. RAY, Teacher Training Adviser (Campus Office of A.I.D. Projects) for service under Contract US AID/AFE 132 at Njala College, Njala, Sierra Leone, October 5, 1963-February 4, 1964, \$1,766.11 a month; and Professor of Vocational and Technical Education, indefinite tenure, and Chairman of the Department, February 5, 1964-August 31, 1965 (College of Education), to render service during each academic year, \$14,450 a year, supersedes (10-13-63).
- KATAGUE, DAVID B., Research Assistant in Psychiatry (Medicine), September 8, 1963-August 31, 1964, \$5,150 a year (10-22-63).
- KESLER, RICHARD P., Research Assistant in Farm Management (Agricultural Economics) (S), full time for three months from November 1, 1963, \$2,000;  $\frac{1}{2}$  time for five months from February 1, 1964, \$1,666.65; and  $\frac{3}{4}$  time from July, 1964, \$888.90 (10-17-63).
- KOZLOW, ROBERT D., Research Associate in Data Processing and Systems (Librarian) and Instructor in Library Administration (Chicago Undergraduate Division), one year from September 1, 1963, \$6,100, supersedes (11-1-63).
- KRAATZ, JAMES, Research Assistant in Education (University High School Mathematics Project), nine months from September 16, 1963, \$4,200 (10-17-63).
- KRONTHAL, ALFRED, Assistant in Ophthalmology (Medicine), one year from July 1, 1963, without salary (10-17-63).
- KUHL, MRS. DOROTHY, Assistant in Psychiatry (Medicine), one year from September 1, 1963, without salary (10-17-63).
- LAGOW, JOYCE B., Assistant in Animal Science (S), eleven months from October 1, 1963, \$4,766.63 (10-29-63).
- LATTA, CARLA H., Assistant in Elementary Education (College of Education), nine months from September 16, 1963, \$4,500, supersedes (10-24-63).
- LEARNER, ARNOLD, Visiting Assistant Professor of Mathematics, nine months from September 16, 1963, \$8,500, supersedes (11-6-63).
- LEONHARD, ZELMA B., Visiting Lecturer in English (Chicago Undergraduate Division),  $\frac{3}{4}$  time, for first semester of the academic year beginning September 16, 1963, \$3,000 (10-21-63).
- LEWIS, DAVID G., Visiting Research Associate in Agronomy (S), one month from December 1, 1963, \$533.34 (10-22-63).
- LUCAS, ROBERT A., Research Assistant in English, one year from September 1, 1963, \$6,000 (10-17-63).
- MANDREA, EUGENE, Clinical Assistant in Dermatology (Medicine), eleven months from October 1, 1963, without salary (10-21-63).
- MANN, RANDALL L., Clinical Instructor in Medicine (Medicine), one year from September 1, 1963, without salary (10-12-63).
- MAURATH, JEROME D., Intern in the Student Counseling Service, ten months from November 1, 1963, \$4,291.70, supersedes (10-31-63).
- MCCAMISH, JOAN, Assistant Professor of Microbiology, two years from September 1, 1963, to render service during each academic year, \$8,000 a year, supersedes (10-10-63).
- MCGUIRE, JANICE G., Research Assistant in Microbiology, eleven months from October 1, 1963, \$4,950 (10-17-63).
- MCGURK, FLORENCE F., Research Assistant in the State Water Survey and in the Graduate College, September 16, 1963-June 30, 1964, \$4,354.14, supersedes (10-15-63).
- MIER, MRS. SALLY J., Assistant in Occupational Therapy (Medicine), October 21, 1963-August 31, 1964, \$6,600 a year (11-6-63).
- MILLER, RAYMOND P., Research Associate in Civil Engineering (C), academic year beginning September 1, 1963, \$6,300 (10-29-63).
- MILLER, MRS. ROSEMARY J., Resident Manager of Graduate Residence Halls, one

- year from September 1, 1963, \$600; in addition she will be provided a furnished apartment in the Graduate Halls (10-12-63).
- MROTEK, SHARON F., Assistant in Speech (Chicago Undergraduate Division), nine months from September 16, 1963, \$4,600, supersedes (10-17-63).
- MULLINS, WILLIAM N., Assistant in Education (University High School), nine months from September 16, 1963, \$5,800 (10-15-63).
- NADEL, ALFRED J., Assistant in Ophthalmology (Medicine), one year from July 1, 1963, without salary (10-17-63).
- NELSON, WILFRED H., Research Associate in Chemistry, October 21, 1963-August 31, 1964, \$6,100 a year, supersedes (10-25-63).
- OKUYAMA, DAITARO, Visiting Research Associate in Electrical Engineering (S), eleven months from October 1, 1963, without salary (10-12-63).
- OPPENLANDER, RENATE, Research Assistant in Electrical Engineering (C), one year from September 1, 1963, \$5,300 (11-6-63).
- PANKOWSKI, DALAS J., Instructor in Vocational and Technical Education (College of Education), academic year beginning September 1, 1963, \$7,200 (10-12-63).
- PARZEN, ZANE D., Clinical Instructor in Psychiatry (Medicine), 3/10 time, eleven months from October 1, 1963, \$3,000 a year, supersedes nonsalaried appointment (10-21-63).
- PATEL, RODA K., Research Assistant in Pediatrics (Medicine), ten months from November 1, 1963, \$5,150 a year (10-17-63).
- PELLICORE, RAYMOND J., Clinical Assistant Professor of Orthopaedic Surgery (Medicine), 1/2 time, one year from July 1, 1963, \$3,000, supersedes nonsalaried appointment (11-7-63).
- PERDRISAT, CHARLES F., Research Associate in Physics (C), eleven months from October 1, 1963, \$8,000 a year, supersedes (10-18-63).
- PHILLIPS, JOSEPHINE, Research Assistant Professor of Elementary Education, 2/10 time, and of Education (University High School), 3/10 time, one year from September 1, 1963, \$6,350, supersedes (10-12-63).
- PIEPER, WILLIAM J., Clinical Instructor in Psychiatry (Medicine), 1/4 time, eleven months from October 1, 1963, \$3,500 a year, supersedes (10-21-63).
- POWERS, RICHARD J., Clinical Instructor in Medicine (Medicine), September 16, 1963-August 31, 1964, without salary (10-21-63).
- PRAIRIE, BARBARA B., Research Assistant in Chemistry, eleven months from October 1, 1963, \$5,041.63 (10-24-63).
- RAGADE, INDUKANTH S., Research Associate in Chemistry, eight months from January 1, 1964, \$6,100 a year (11-7-63).
- RAZ, AMIRAM, Assistant in Food Science (C), September 1-September 15, 1963, \$233.33 (10-24-63).
- REED, KENNETH W., Assistant in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), ten months from November 1, 1963, \$4,666.60 (11-5-63).
- ROBINSON, T. THACHER, Instructor in Mathematics, 2/3 time, September 16, 1963-January 31, 1964, \$2,400 (10-12-63).
- ROSS, MRS. JUNE P., Research Associate in Geology, eleven months from October 1, 1963, \$7,200 a year (11-7-63).
- ROWLANDS, MARY R., Research Assistant in the School of Life Sciences, September 23, 1963-August 31, 1964, \$4,835.32 (10-15-63).
- SAGEN, H. BRADLEY, Assistant Director of Bureau of Institutional Research, with rank of Assistant Professor (Executive Vice-President and Provost's Office), and Assistant Professor of Educational Psychology (College of Education), two years from September 1, 1963, \$9,300 a year, supersedes (11-1-63).
- SALOMON, LAWRENCE, Instructor in Art (Chicago Undergraduate Division), 2/3 time, five months from September 1, 1963, \$2,000 (10-12-63).
- SALTZMAN, STANTON W., Instructor in Radio and Television (College of Journalism and Communications), academic year beginning September 1, 1963, without salary; this is in addition to his nonacademic appointment (10-12-63).
- SANHAMEL, JANE M., Assistant in Nursing, nine months from September 16, 1963, \$5,500 (10-17-63).

- SANZONE, GEORGE J., Research Engineer (Mass Spectrometer) in Chemistry,  $\frac{3}{4}$  time, one year from September 1, 1963, \$6,500, supersedes (10-28-63).
- SCHRAMM, ARTHUR R., Assistant in Psychiatry (Medicine), July 1, 1963-August 31, 1964, without salary (11-7-63).
- SCHWARTZ, SUSAN S., Research Assistant in the State Water Survey and in the Graduate College, September 16, 1963-June 30, 1964, \$4,750 (10-15-63).
- SCRUGGS, WILLIAM, Research Assistant in Psychiatry (Medicine), ten months from November 1, 1963, \$6,450 a year, supersedes (10-17-63).
- SEATON, SCOTT, Instructor in Architecture,  $\frac{1}{2}$  time, to render service during the first semester of the academic year, 1963-64, \$2,500 (10-21-63).
- SHIMONY, ZVI, Visiting Research Associate in Electrical Engineering (C), September 16, 1963-August 31, 1964, \$6,000 a year, supersedes (10-12-63).
- SHIRAI, TAISHIRO, Research Associate in the Institute of Labor and Industrial Relations, ten months from October 1, 1963, \$5,550 (10-12-63).
- SHULMAN, MORTON, Instructor in Anesthesiology, Division of Anesthesiology, Department of Surgery (Medicine), ten months from November 1, 1963, without salary (11-6-63).
- SILVERMAN, LORETTA E., Instructor in Physics (Chicago Undergraduate Division), to render service during the academic year, October 7, 1963-August 31, 1964, \$6,500 a year, supersedes (10-21-63).
- SPENCER, ANN B., Instructor in Medical Social Work (Medicine), November 15, 1963-August 31, 1964, \$6,950 a year (11-6-63).
- STONE, PETER, Instructor in Anthropology (Chicago Undergraduate Division), 9/10 time, academic year beginning September 1, 1963, \$5,200 (10-11-63).
- STROOM, LOWELL M., Instructor in Architecture, academic year beginning September 1, 1963, \$7,500 (10-12-63).
- SWOISKIN, BERNARD L., Research Associate in Oral and Maxillofacial Surgery (Dentistry),  $\frac{1}{2}$  time, eleven months from October 1, 1963, \$1,500 a year (10-12-63).
- TEFFT, MRS. GLORIA B., Assistant Editor in Agriculture, with rank of Instructor, and Instructor in Agricultural Economics (S), one year from September 1, 1963, \$6,100, supersedes (10-21-63).
- THOMPSON, EDWARD C., Clinical Assistant Professor of Oral and Maxillofacial Surgery (Dentistry), one year from September 1, 1963, without salary (11-1-63).
- THOMPSON, MARSHALL R., Instructor in Civil Engineering (C), nine months from September 16, 1963, \$7,000, supersedes (10-15-63).
- TROUGHTON, TERENCE E., Field Biologist in the State Natural History Survey and in the Graduate College, four months from November 1, 1963, \$1,900 (10-24-63).
- WALKER, JAMES M., Research Associate in Surgery (Medicine), one year from September 1, 1963, \$12,000 (10-21-63).
- WALSH, THOMAS G., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) one year from September 1, 1963, without salary (11-1-63).
- WEBB, ROBERT J., Adviser in Farm Management (Campus Office of A.I.D. Projects), for service under Contract AIDC-1258 at the U. P. Agricultural University, Pantnager, India, eight months from November 1, 1963, \$16,060 a year; and Professor of Agricultural Research and Extension, and Superintendent of Dixon Springs Experiment Station, indefinite tenure from July 1, 1964, \$14,600 a year, supersedes (10-14-63).
- WHITMER, ROGER G., Lecturer on Materials and Methods of Construction, Department of Architecture (Chicago Undergraduate Division),  $\frac{1}{3}$  time, five months from September 1, 1963, \$1,500 (10-12-63).
- WHITNEY, GREENE R., Research Assistant in Psychiatry (Medicine), ten months from November 1, 1963, \$6,150 a year, supersedes (10-17-63).
- WILSON, ELEANORE, Project Assistant in the State Natural History Survey and in the Graduate College, three months from October 1, 1963, \$900 (10-17-63).
- WOLF, MRS. LINDA M., Instructor in Anthropology (Chicago Undergraduate Division),  $\frac{3}{4}$  time, academic year beginning September 1, 1963, \$3,200 (10-16-63).
- WOLFE, SHARON, Research Associate in the Institute of Communications Research (College of Journalism and Communications),  $\frac{1}{2}$  time, and in Psychology (College of Liberal Arts and Sciences),  $\frac{1}{3}$  time, academic year beginning September 1, 1963, \$3,600 (10-10-63).



YAHIRO, ERNEST I., Instructor in Pediatrics (Medicine) and Pediatrician (Division of Services for Crippled Children),  $\frac{1}{2}$  time, one year from September 1, 1963, \$1,800, supersedes (10-21-63).

#### FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

ALKIRE, WILLIAM H., United States Public Health Service Predoctoral Fellow in Anthropology, one year from October 1, 1963, \$2,200 (10-25-63).

ANDERSON, SONIA R., Parke Davis and Company Fellow in Chemistry, nine months from September 16, 1963, \$2,250 (10-7-63).

ANSBRO, JOHN F., Part-time Medical Student Research Fellow in Physiology, nine months from September 16, 1963, \$600 (9-30-63).

ANTONIO, JAMES F., General Electric Foundation Fellow in Accounting, nine months from September 16, 1963, \$1,000 (10-4-63).

BEAUCHAMP, JAMES W., Magnavox Fellow in Electrical Engineering (and Music), one year from September 1, 1963, \$4,000 (10-15-63).

BECKER, ALETHIA ANN H., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (10-1-63).

BELMORE, BARBARA, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (10-2-63).

BIDDULPH, DAVID M., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, \$3,250 (9-26-63).

BOBITT, JOHN R., Medical Student Alternative Quarter Fellow, three months from October 1, 1963, \$200 (10-4-63).

BREMSE, ALBERT H., National Lead Company (Titanium Division) Fellow in Ceramic Engineering, nine months from September 16, 1963, \$1,450 (10-2-63).

BRIGHTON, CARL T., United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1963-June 30, 1964, without salary (9-24-63).

BRODER, STEFAN I., United States Public Health Service Fellow (Trainee) in Biological Chemistry, ten months from September 1, 1963, \$1,900 (9-12-63).

BROWN, SHARON L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,751.88, supersedes (10-8-63).

BRUNCKHORST, BARBARA L., Vocational Rehabilitation Administration Fellow (Trainee) in Education, nine months from September 16, 1963, \$2,000 (9-24-63).

CADKIN, LAWRENCE M., Part-time Medical Student Research Fellow in Biological Chemistry, October 1, 1963-June 15, 1964, \$550 (10-2-63).

CALDARELLI, DAVID D., Part-time Medical Student Research Fellow in Physiology, nine months from September 16, 1963, \$600 (10-1-63).

CAMPANA, JOSEPH A., Fellow in Business Administration, nine months from September 1, 1963, \$3,600 (10-4-63).

CARLSON, RUSSELL R., Part-time Medical Student Research Fellow in Anatomy, nine months from September 16, 1963, \$600 (9-30-63).

CARROLL, JOHN M., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from September 1, 1963, \$5,500 (10-2-63).

CAVE, MACDONALD, United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, \$200 a month (10-4-63).

CHO, FREDERICK YI-TUNG, United States Public Health Service Fellow (Trainee) in Biophysics, September 16, 1963-January 31, 1964, \$999.75 (10-3-63).

CHOCOLA, RONALD G., Part-time Medical Student Research Fellow in Physiology, nine months from September 16, 1963, \$600 (10-4-63).

CONAWAY, C. CLIFFORD, United States Public Health Service Fellow (Trainee) in Entomology, ten months from September 1, 1963, \$2,400 (9-30-63).

D'AGOSTINO, ANTHONY, Part-time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1963, \$600 (9-30-63).

DI BIAGIO, ELMO L., Raymond Concrete Pile Company Fellow (in memorial to A. E. Cummings) in Civil Engineering, nine months from September 16, 1963, \$1,500 (10-18-63).

DICK, RICHARD I., United States Public Health Service Predoctoral Fellow in Civil Engineering, one year from September 1, 1963, \$4,000 (9-10-63).

- DIXON, DIXIE L., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (10-31-63).
- DVORAK, PAUL F., Part-time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1963, \$600 (9-30-63).
- FRANK, IRA M., Part-time Medical Student Research Fellow in Psychiatry, eight months from October 16, 1963, \$533.33 (10-9-63).
- FUSS, CAROLYN S., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, \$1,750 (9-27-63).
- GAUCHER, GEORGE M., Smith, Kline, French Postdoctoral Fellow in Chemistry, eleven months from October 1, 1963, \$6,416.63 (10-31-63).
- GENSKOW, JACK K., Vocational Rehabilitation Administration Fellow (Trainee) in Education, September 16, 1963-January 31, 1964, \$1,700 (9-24-63).
- GOLDMAN, BARRY, Part-time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1963, \$600 (9-30-63).
- GOSSUM, MRS. SANDRA A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,718.75, supersedes (10-8-63).
- GREEN, DOROTHY R., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (10-15-63).
- HALL, MILLARD W., United States Public Health Service Predoctoral Fellow in Civil Engineering, one year from September 16, 1963, \$3,500 (10-16-63).
- HARTL, ADRIENNE L., Fellow in English, nine months from September 16, 1963, \$2,000; and two months from June 16, 1964, \$500, supersedes (10-7-63).
- HAYES, SUSANNE J., United States Children's Bureau Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (10-15-63).
- HEINTZ, NORMAN V., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1963, \$600 (10-10-63).
- HENDRICKS, RICHARD A., Part-time Medical Student Research Fellow in Medicine, nine months from September 16, 1963, \$600 (10-14-63).
- HOVEY, SHARON R., Vocational Rehabilitation Administration Fellow (Trainee) in Education, nine months from September 16, 1963, \$1,800 (9-24-63).
- JAKSTYS, MRS. BIRUTE A., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, \$2,350 (9-26-63).
- JENSEN, JOANN L., United States Public Health Service Fellow (Nurse Trainee) in the College of Nursing, September 30, 1963-June 12, 1964, and September 28-December 17, 1964, \$200 a month (10-4-63).
- JONES, MRS. LETHONEE A. H., Vocational Rehabilitation Administration Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (10-25-63).
- KANEY, ANTHONY R., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, \$3,000 (8-16-63).
- KASSEL, STEPHEN H., Part-time Medical Student Research Fellow in Pathology, nine months from September 16, 1963, \$600 (9-30-63).
- KIRBY, JOHN S., Douglas Aircraft Company Fellow in Aeronautical and Astronautical Engineering, February 1-June 15, 1964, \$1,100; and September 16, 1964-January 31, 1965, \$1,100 (10-24-63).
- KLESSE, WILLIAM R., United States Public Health Service Fellow (Trainee) in Biophysics, December 1, 1963-September 15, 1964, \$2,110.61 (10-25-63).
- KORSOWER, ALLAN J., Part-time Medical Student Research Fellow in Medicine, nine months from September 16, 1963, \$600 (9-30-63).
- KOSTNER, MARY C., United States Public Health Service Fellow (Nurse Trainee) in the College of Nursing, September 30, 1963-June 12, 1964, and September 28-December 17, 1964, \$200 a month (10-3-63).
- KRIEGER, GEORGE W., Vocational Rehabilitation Administration Fellow (Trainee) in Education, nine months from September 16, 1963, \$2,000 (9-23-63).
- LEVIN, NATHAN W., United States Public Health Service Fellow (Special) in Medicine, September 26, 1963-January 25, 1964, without salary (10-17-63).
- LEVY, HOWARD B., United States Public Health Service Fellow (Trainee) in Physiology, nine months from September 16, 1963, \$2,000, supersedes (10-17-63).
- MAGNUS, DAVID P., Part-time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1963, \$600 (9-30-63).
- MCINTOSH, CHARLES, Part-time Medical Student Research Fellow in Surgery, nine months from September 16, 1963, \$600 (9-30-63).

- MOEHLIS, RONALD D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,574, supersedes (10-9-63).
- MONAHAN, MAURICE L., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, \$1,500 (9-30-63).
- MUELLER, KARL H., United States Public Health Service Fellow (Trainee) in Orthopaedic Surgery, one year from July 1, 1963, \$6,000 (9-24-63).
- MURRAY, RUBY H., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (8-13-63).
- NOTEBOOM, WILLIAM D., United States Public Health Service Predoctoral Fellow in Physiology, one year from October 1, 1963, \$2,200 (10-16-63).
- O'LEARY, KEITH D., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$2,000 (9-24-63).
- OVERBY, LACY R., Postdoctoral Fellow (Trainee) in Microbiology,  $\frac{1}{4}$  time, seven months from August 1, 1963, \$1,400 (8-27-63).
- OWEN, BARBARA L., United States Children's Bureau Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (10-15-63).
- PARKS, JOE M., United States Public Health Postdoctoral Fellow in Chemistry, five months from September 1, 1963, \$3,666.65 (10-12-63).
- PATTON, THOMAS H., JR., United States Public Health Service Predoctoral Fellow in Sanitary Engineering, one year from September 16, 1963, \$2,700 (9-17-63).
- PETERS, CATHERINE A., United States Public Health Service Fellow (Nurse Trainee) in Nursing, September 30, 1963-June 12, 1964, and September 28-December 17, 1964, \$200 a month (10-3-63).
- PLATT, SHEILA C., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (10-3-63).
- POLSKY, ROBERT N., Part-time Medical Student Research Fellow in Pathology, nine months from September 16, 1963, \$600 (9-30-63).
- PRAIRIE, RICHARD L., Postdoctoral Fellow in Chemistry, eleven months from October 1, 1963, \$7,333.26 (10-31-63).
- RAISYS, VIDMANTAS A., United States Public Health Service Fellow (Trainee) in Biological Chemistry, ten months from September 1, 1963, \$1,916.66 (10-1-63).
- ROSE, ROGER A., Medical Student Alternative Quarter Fellow, three months from October 1, 1963, \$200 (10-1-63).
- RYAN, ROBERT P., Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1963, \$3,400 (10-4-63).
- RYCKMAN, DAVID B., United States Office of Education Fellow in Education, nine months from September 16, 1963, \$3,400 (10-4-63).
- SANDERS, PIETER, Fellow in Law, nine months from September 16, 1963, \$1,500 (10-16-63).
- SARNAT, HARVEY B., Part-time Medical Student Research Fellow in Anatomy, nine months from September 16, 1963, \$600 (9-30-63).
- SCHAAF, DORIS M., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1963, \$600 (10-2-63).
- SCHATZ, HOWARD, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1963, \$600 (9-7-63).
- SCHUCHTER, HOWARD, Medical Student Alternative Quarter Fellow, three months from October 1, 1963, \$200 (10-1-63).
- SCHLAF, ROGER, United States Public Health Service Fellow (Trainee) in Biological Chemistry, ten months from September 1, 1963, \$2,000 (10-1-63).
- SCHOIAR, ERIC M., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,000 (8-31-63).
- SCHUFFLER, MICHAEL D., Part-time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1963, \$600 (9-30-63).
- SHALLAT, RONALD F., Part-time Medical Student Research Fellow in Pediatrics, nine months from September 16, 1963, \$600 (9-30-63).
- SILVER, RICHARD A., Part-time Medical Student Research Fellow in Otolaryngology, nine months from September 16, 1963, \$600 (10-4-63).
- SLOAN, DENNIS E., Part-time Medical Student Research Fellow in Physiology, nine months from September 16, 1963, \$600 (9-30-63).
- SOJA, DOROTHY M., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,200 (9-24-63).

- SQUIER, BEVERLY J., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (10-2-63).
- STRAHS, GERALD, United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, \$2,700 (10-10-63).
- TAYLOR, HOWARD P., Part-time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1963, \$600 (9-30-63).
- TAYLOR, JAMES W., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, \$3,200 (11-5-63).
- THOMAS, JOHN A., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,200 (10-8-63).
- TORNHEIM, MRS. PATRICIA, United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, \$1,950 (9-20-63).
- TORNQUIST, MRS. JANET A., United States Public Health Service Fellow (Nurse Trainee) in Nursing, September 30-December 20, 1963, \$200 a month (10-3-63).
- TUTTLE, PETER G., Part-time Medical Student Research Fellow in Medicine, eight months from October 16, 1963, \$533.33 (10-15-63).
- VAN DYCK, PETER C., Part-time Medical Student Research Fellow in Physiology, nine months from September 16, 1963, \$600 (9-30-63).
- VERGIN, MARCIA A., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,200 (9-23-63).
- VICTOR, THOMAS A., Part-time Medical Student Research Fellow in Pathology, nine months from September 16, 1963, \$600 (9-30-63).
- VOLNER, PATSY R., Vocational Rehabilitation Administration Fellow (Trainee) in Education, September 16, 1963-January 31, 1964, \$1,000 (10-14-63).
- WARD, JACK A., United States Public Health Service Predoctoral Fellow in Zoology, one year beginning September 16, 1963, \$2,000 (9-30-63).
- WEINHOLD, MRS. JEAN K., United States Public Health Service Fellow (Nurse Trainee) in Nursing, September 30, 1963-June 12, 1964, and September 28-December 17, 1964, \$230 a month (10-3-63).
- WEISSMAN, SIDNEY H., United States Public Health Service Fellow (Trainee) in Psychiatry, October 21, 1963-June 15, 1964, \$66.66 a month (10-22-63).
- WHITE, JOAN F., Postdoctoral Fellow (Trainee) in Entomology, nine months from October 1, 1963, \$4,500 (9-26-63).
- WICKS, ALBERT J., Charles E. Merriam Fellow in Political Science, nine months from September 16, 1963, \$1,500 (9-30-63).
- WIGGINS, THOMAS M., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1963, \$600 (10-2-63).
- WINDEMUELLER, LOUISE E., Vocational Rehabilitation Administration Fellow (Trainee) in Education, nine months from September 16, 1963, \$1,800 (10-7-63).
- WINDOM, SULSA D., Vocational Rehabilitation Administration Fellow (Trainee) in Education, nine months from September 16, 1963, \$2,000 (9-23-63).
- WOLFSON, RONALD, Part-time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1963, \$600 (9-30-63).
- WOODFORD, WAYNE P., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, \$1,850 (9-20-63).
- ZRARAZ, DAVID, Part-time Medical Student Research Fellow in Pathology, nine months from September 16, 1963, \$600 (9-30-63).
- ZEILENGA, SUZANNE G., United States Public Health Service Fellow (Trainee) in Anatomy, nine months from September 30, 1963, without salary (10-2-63).

#### RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS

- BARRY, DENNIS R., Registered Pharmacist in Hospital Pharmacy (Pharmacy) — resignation effective October 22, 1963.
- BASU, GOBINDA L., Research Associate in Chemistry — resignation effective October 21, 1963.
- BRAUNFELD, PETER G., Research Assistant Professor in the Coordinated Science Laboratory — resignation effective November 1, 1963.
- CALLAHAN, GARY D., Microanalyst in Chemistry — resignation effective September 21, 1963.
- CHUA, LEON O., Teaching Fellow in Electrical Engineering — resignation effective November 8, 1963.

- CRUMPACKER, DANIEL, Associate Professor of Military Science and Head of the Department (Chicago Undergraduate Division) — declination effective September 1, 1963.
- DAVIS, THOMAS N., III, Clinical Assistant Professor of Psychiatry (Medicine) — termination effective October 1, 1963.
- DHAR, AUGUSTUS I., Assistant Professor of Physics (Chicago Undergraduate Division) — resignation effective October 1, 1963.
- DONEGAN, ROSA M., National Science Foundation Institute Fellow in Mathematics — resignation effective September 1, 1963.
- FARLEY, JANE C., Clinical Assistant Professor of Psychology (Medicine) — termination effective October 1, 1963.
- FETTERS, JOSEPH I., Head in Firemanship Training — resignation effective January 1, 1964.
- GLESER, GOLDINE C., Research Associate Professor of Education in the Bureau of Educational Research — declination effective September 1, 1963.
- GUILLOU, JOHN C., Associate Professor of Hydraulic Engineering (Civil Engineering) — resignation effective October 1, 1963.
- HARMER, RICHARD S., III, Research Assistant in Ceramic Engineering — cancellation effective September 1, 1963.
- HUTSON, RICHARD E., Assistant in English — declination effective September 16, 1963.
- JONES, ALAN K. G., Fellow in Business Administration — resignation effective September 16, 1963.
- KAMARA, ALLIEU, Research Assistant in Preventive Medicine (Medicine) — declination effective September 1, 1963.
- McMULLEN, STEWART Y., Professor of Management — resignation effective March 1, 1964.
- MORGAN, MARTHA A., Research Associate in Elementary Education — resignation effective December 1, 1963.
- MUKHERJI, PARTHA N., Fellow in Sociology — resignation effective November 1, 1963.
- PULLIAM, WILLIAM E., Assistant in Education (University High School) — declination effective September 16, 1963.
- PUSZTASZERI, STEPHEN F., Research Assistant in Chemistry — resignation effective September 1, 1963.
- SCHRADER, RUDOLF, Visiting Associate Professor of Physics — declination effective October 1, 1963.
- SHARP, JAMES B., United States Public Health Service Fellow (Trainee) in Veterinary Medical Sciences — resignation effective November 1, 1963.
- STEPHENS, JOHN K., National Science Foundation Cooperative Fellow in Mathematics — resignation effective November 1, 1963.
- STOREY, DAVID A., Assistant Professor of Agricultural Marketing (Agricultural Economics) — resignation effective November 20, 1963.
- WANG, I. CHIH, Research Associate in Theoretical and Applied Mechanics — declination effective September 1, 1963.
- WILL, RAYMOND L., Research Assistant in the Center for Zoonoses Research — cancellation effective September 9, 1963.

#### LEAVES OF ABSENCE

- BOWEN, BARBARA C., Assistant Professor of French — disability leave of absence for the month of September, 1963, with full pay; and from October 1, 1963, through January 31, 1964, leave without pay.
- DE CHARMS, DESIREE, Music Library Assistant in the Library, with rank of Instructor — leave of absence, without pay, for three months from February 1, 1964, so that she may travel abroad.
- DE MARIS, EDWIN J., Professor of Industrial Administration and Head of the Department, and Professor of Accountancy — sabbatical leave of absence granted him for second semester, 1963-64, is hereby cancelled, without prejudice.
- GLENN, NORVAL D., Assistant Professor of Sociology — leave of absence, without pay, during the second semester of 1963-64, so that he may accept an appointment as a Visiting Assistant Professor at the University of Texas.
- ORMSBEE, ALLEN I., Professor of Aeronautical and Astronautical Engineering,

in the College of Engineering—leave of absence, without pay, for the second semester of the academic year, 1963-64, so that he may serve as a Visiting Professor at the University of California in Los Angeles.

THOMSON, ROBB M., Professor of Physical Metallurgy, in the College of Engineering—leave of absence, without pay, for three months from February 1, 1964, so that he may serve as Visiting Professor at the University of Tokyo.

VARZANDEH, MASSOUD, Research Associate in Radiology (Medicine)—leave of absence on account of disability, without pay, from September 9, 1963, and continuing until further notice.

#### RETIREMENTS

CRAMER, RALPH E., Research Associate Professor of Engineering Materials, in the Department of Theoretical and Applied Mechanics (College of Engineering)—retirement effective October 15, 1963.

MENEFFEE, SHERMAN G., Associate in Dairy Chemistry—retirement from active University service effective on the date that Mr. Menefee attains age fifty-five.

PETERSON, EARL D., Farm Adviser for Montgomery County—retirement from active University service effective September 1, 1963.

SWANSON, JOHN W., Professor of Speech—retirement effective September 1, 1964.

#### FUTURE BOARD MEETINGS

President Clement announced that the next two meetings will be held, as scheduled, on December 18, 1963, and January 15, 1964, and that the December meeting will be held at the First National Bank of Chicago on invitation of its officers.

On motion of Mr. Johnston, the Board voted to hold the January meeting in Chicago.

#### RECESS AND EXECUTIVE SESSION

President Clement announced that an Executive Session has been requested and was being ordered for consideration of staff appointments and would be held after a brief recess.

On motion of Mrs. Watkins, the Board recessed.

When the Board reconvened in Executive Session, the same members and University officers were present as recorded at the beginning of these minutes, with the exception of Mr. Swain who asked to be excused.

The President of the University presented the following recommendation.

#### DEANSHIP OF THE GRADUATE COLLEGE

(1) A recommendation for the appointment of Dr. Frederick Seitz, Professor and Head of the Department of Physics, as Dean of the Graduate College to succeed Dean F. T. Wall, who has resigned the deanship, will be submitted to the Board of Trustees at its December meeting. I shall also recommend that the Board establish a new position of "Vice-President for Research" and that Dr. Seitz be appointed to that office.

In the meantime, I request approval of this recommendation so that I may submit a formal offer to Professor Seitz; I also request authorization to announce that his appointment will be recommended to the Board if acceptance is assured. The full details of this appointment will be submitted to the Board with the formal recommendation at its December meeting.

On motion of Mrs. Watkins, these recommendations were approved.

On motion of Mrs. Watkins, the Board adjourned.

#### STUDENT GUESTS OF THE BOARD

Following adjournment, a group of twenty-five undergraduate students

who are officers in the Student Senate and in other student organizations were guests of the Board at luncheon. A number of them also attended the Board meeting.

**FOOTBALL GAME WITH MICHIGAN STATE UNIVERSITY**

Mr. Dilliard requested that the minutes of today's meeting record that he did not at any time after the assassination of President Kennedy on Friday, November 22, approve of the plan to play the football game with Michigan State University at East Lansing, on Saturday, November 23, and that he proposed postponement, as was subsequently arranged, to Thanksgiving Day, November 28, 1963.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**December 18, 1963**



The December meeting of the Board of Trustees of the University of Illinois was held in the Board of Directors' Room of the First National Bank of Chicago, Chicago, Illinois, on Wednesday, December 18, 1963, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner was absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant, Mr. V. L. Kretschmer, Director of Auxiliary Services; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary. Mr. C. W. Weldon, former Treasurer of the Board, was a guest at the meeting.



**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**  
The Board took up consideration of the following reports and recommendations from the President of the University.

#### PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

#### AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
BILLY KENNETH CHEEK	Springfield, Illinois	Texas
LAURENCE FIRMAN HASKETT	Indianapolis, Indiana	Indiana
WAYNE ALFRED KAUTH	Chicago, Illinois	Wisconsin
PAUL LAWRENCE MACK	Warson Woods, Missouri	Missouri
ROBERT BRUCE PICKENS	Naperville, Illinois	Pennsylvania

I concur.

On motion of Mr. Johnston, these certificates were awarded.

#### DEANSHIP OF THE GRADUATE COLLEGE AND VICE-PRESIDENT FOR RESEARCH

(2) On the unanimous recommendation of a committee appointed to make nominations for the position of Dean of the Graduate College, and after consultation with the Executive Committee of the College, I recommend the appointment of Dr. Frederick Seitz, Professor and Head of the Department of Physics, as Dean of the Graduate College.

I recommend further—after consultation with the Academic Advisory Council and the Executive Committee of the Graduate College—that the Board establish a new position with the title "Vice-President for Research," and that Dr. Seitz also be appointed to that office. The great expansion in the University's research activities in recent years—especially through support provided by outside agencies—has created a growing need for greater administrative attention to the problems related to the coordination of these activities with other University functions. In his role as Vice-President for Research, Dr. Seitz would: (a) study the needs of the University for the support of research in all areas; (b) assist faculty members and departments in securing the resources needed for their research; (c) conduct a continuing appraisal of the impact of outside support of research upon graduate study and upon the remainder of the University's research program; (d) make policy recommendations to the President concerning the quality, balance, and long-range directions of the University's overall research program.

It seems highly desirable to associate these important tasks closely with those presently assigned to the Dean of the Graduate College. Under the University's *Statutes*, the Dean of the Graduate College now has important responsibilities for research administration, primarily in relation to the functions of the University Research Board and certain special research units located in the Graduate College. Furthermore, most of the research programs conducted in other colleges and divisions are closely related to the education of graduate students, and are most fruitful when associated with graduate study. In order to assure that close coordination and mutual reinforcement be maintained among these research and educational activities, it seems best to create the kind of dual position proposed for Dr. Seitz.

The total salary for the combined positions will be \$29,600 for the calendar year (eleven months of service and a month of vacation with pay).

Dr. Seitz is now on leave from the University to serve as President of the National Academy of Sciences, and this position requires that he be in Washington much of the time. Because of his commitments to the Academy, it is unlikely that he will be available for full-time service at the University before 1965—although it is definite that during the academic year 1964-65 he would be able to devote at least half of his time to the position of Dean and Vice-President. It is therefore recommended that the President of the University be authorized to determine the effective date and other terms of the appointment, in consultation with Dr. Seitz and other University officers concerned, and to make interim provisions for the administration of the Graduate College—these actions to be reported to the Board.

Submitted herewith is the copy of Faculty Letter No. 62, July 16, 1963, issued by the Office of the President, listing the personnel of the Nominating Committee for the Deanship of the Graduate College and giving the full text of the letter of instructions to that Committee.

In its report nominating Professor Seitz, the Committee has stated:

"Although several highly qualified candidates might be identified, the response of the faculty and the general feeling of the members of the Committee indicate that the most outstanding person in the country is Dr. Frederick Seitz, now on leave of absence as Head of our Department of Physics, and currently President of the National Academy of Sciences.

"Many suggestions came from the staff indicating that Dr. Seitz was most highly regarded. The Committee reached the unanimous decision that he would be our first recommendation to you, and that we would seek no additional candidates until a decision had been reached as to Dr. Seitz's willingness to accept the position, and his acceptability to the administration and to the Executive Committee of the Graduate College. We therefore recommend him for your consideration.

"It is unnecessary to describe Dr. Seitz's qualities and achievements. They are so universally recognized that we feel that everyone is well acquainted with them. He has had administrative experience both in the Department of Physics and in his position as President of the National Academy. We feel that Dr. Seitz will add to the prestige of the University and the Graduate College, and we have found no one who did not indicate a willingness to work with him and to support him in every way."

On motion of Mr. Swain, these recommendations were approved.

#### CHAIRMANSHIP OF THE DEPARTMENT OF GERMANIC LANGUAGES AND LITERATURES

(3) Professor Frank Banta, who has been serving as Chairman of the Department of Germanic Languages and Literatures for several years, has asked to be relieved of this administrative responsibility so that he can devote full time to teaching and research, and I recommend that his request be granted.

The Dean of the College of Liberal Arts and Sciences recommends the appointment of Associate Professor Harry G. Haile as Chairman of the Department effective at the beginning of the second semester of 1963-64 and continuing until August 31, 1965, and that he be given additional salary at the rate of \$1,000 per year for this administrative responsibility. The recommendation is made after consultation with the Executive Committee of the Department and is concurred in by the Executive Vice-President and Provost and the Dean of the Graduate College.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

#### HEADSHIP OF THE DEPARTMENT OF SOCIOLOGY

(4) Professor Louis Schneider, who has been serving as Head of the Department of Sociology for several years, has asked to be relieved of this administrative responsibility so that he can devote full time to teaching and research, and I recommend that his request be granted.

The Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor Daniel Glaser as Head of the Department beginning September 1, 1964, the salary to be determined later when the budget for 1964-65 is submitted to the Board for approval. The recommendation is made after consultation with the Executive Committee of the Department and is concurred in

by the Executive Vice-President and Provost and the Dean of the Graduate College.

I recommend approval.

On motion of Mr. Page, this appointment was approved.

#### APPOINTMENTS TO THE FACULTY

(5) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. NATHAN S. CAPLAN, Assistant Professor in the Jane Addams Graduate School of Social Work, on one-fourth time, beginning November 1, 1963, at an annual salary of \$2,500.
2. PHILIPPE CHOQUARD, Visiting Professor of Physics, on one-half time, for the second semester of 1963-64, at a salary of \$4,000.
3. ROBERT F. LOCKE, Clinical Assistant Professor of Preventive Medicine, College of Medicine, beginning December 1, 1963, without salary.
4. EDWARD C. A. RUNGE, Assistant Professor of Soil Classification Extension in Agronomy, beginning November 1, 1963, at an annual salary of \$9,500.
5. FREDERICK J. SIMPSON, Visiting Professor of Microbiology, second semester of 1963-64, at a salary of \$7,000.
6. CARL R. WOESE, Associate Professor of Microbiology, beginning February 1, 1964, at an annual salary of \$15,000.

On motion of Mr. Swain, these appointments were confirmed.

#### DEPARTMENT OF SLAVIC LANGUAGES AND LITERATURES

(6) The Department of Russian has recommended, and the Executive Committees of the Division of Humanities and of the College of Liberal Arts and Sciences concur, that the name of the Department be changed from Department of Russian to Department of Slavic Languages and Literatures.

I concur.

On motion of Mr. Hughes, this recommendation was approved.

#### CONTRACT FOR CONSTRUCTION OF SANITARY SEWER CONNECTION FOR ORCHARD PLACE HOUSING

(7) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$13,125.50 to Clancy Construction Company, Urbana, the lowest bidder, for construction of two new collector sewer systems in the Orchard Place housing area to provide flow channels in the existing and new manholes and to divert the adjacent laundry outlet to the Orchard Downs system.

Funds are available from Housing Division Operations.

I concur.

On motion of Mr. Pogue, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### AWARD OF CONTRACT FOR STEAM SERVICE TO THE REHABILITATION-EDUCATION BUILDING, URBANA-CHAMPAIGN CAMPUS

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract of \$15,724.00 to Gallaher and Speck, Chicago, the lowest bidder, for the extension of steam service to the new Rehabilitation-Education Building, now under construction at the corner of Oak Street and Stadium Drive.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Johnston, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONVEYANCE OF LAND TO DEPARTMENT OF MENTAL HEALTH**

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend conveyance of title to the state of Illinois to the property needed as a site for a Department of Mental Health Clinic to be constructed on University land adjacent to the Children's Research Center which will be constructed by the University in the area south of the Agricultural Experiment Station farmlands and adjoining First Street extended.

The Department of Mental Health is constructing laboratories and clinics throughout the state. Urbana-Champaign was selected as a site in this area for one of these clinics in order to coordinate its services with research and training facilities at the University of Illinois. The clinic to be constructed by the Department of Mental Health will qualify toward matching funds for a federal health research facilities grant for the Children's Research Center.

An Act of the General Assembly of Illinois authorized the transfer of a site for a Mental Health Clinic to the state of Illinois. The Legal Counsel has prepared the following resolution to accomplish this transfer and I recommend its adoption.

**Resolution**

*Whereas* by an act of the Seventy-third General Assembly of the State of Illinois entitled, "An Act to authorize the conveyance of certain real property located in Champaign County, Illinois, by The Board of Trustees of the University of Illinois to the State of Illinois" (SB 1044, approved August 13, 1963), The Board of Trustees of the University of Illinois is authorized to convey and quit claim all right, title, and interest in and to the real property hereinafter described and located in Champaign County, Illinois, to the State of Illinois, and which real property consisting of two parcels hereinafter described shall upon such transfer be under the jurisdiction of the Department of Mental Health and shall be used as a site for a Mental Health Clinic:

*Now, Therefore, Be It, and It Hereby Is, Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this public corporation be, and they hereby are, authorized and directed to execute, acknowledge, and deliver, in the name and in behalf of, this public corporation, and under its corporate seal, a Quit Claim Deed and such other documents in connection therewith as said Comptroller and Secretary may deem necessary or desirable in order to convey to the State of Illinois title to the real property consisting of two parcels and described as follows, viz:

Situated in the State of Illinois, the County of Champaign, and being a part of the Southeast One-quarter (SE $\frac{1}{4}$ ) of Section Twenty-four (24), Township Nineteen North (T 19 N) and Range Eight East (R 8 E) of the Third Principal Meridian, and being also a part of the Southwest One-quarter (SW $\frac{1}{4}$ ) of Section Nineteen (19), Township Nineteen North (T 19 N) and Range Nine East (R 9 E) of the Third Principal Meridian, and being more fully bounded and described as follows:

**Parcel A**

Beginning at a point on the West property line of South First Street Road, said point being 53.6 feet distant North of, and 56.76 feet distant East of the SW Corner of the NW  $\frac{1}{4}$  SW  $\frac{1}{4}$  of said Section 19, said point being marked with an iron pipe monument; thence Northerly along the West property line of said South First Street Road, a distance of 320.0 feet to a corner, said corner being marked with an iron pipe monument; thence Westerly along a line parallel to the North line of the SE  $\frac{1}{4}$  SE  $\frac{1}{4}$  of said Section 24, a distance of 730.88 feet to a corner, said corner being marked with an iron pipe monument; thence Southerly along a line parallel to the East line of said Section 24, a distance of 320.0 feet to a corner, said corner being marked with an iron pipe monument; thence Easterly along a line parallel to the North line of said SE  $\frac{1}{4}$  SE  $\frac{1}{4}$  of Section 24, a distance of 730.88 feet to the place of beginning, containing 5.37 acres, more or less, and

**Parcel B**

Beginning at a point on the South line of said Section 24, said point being 363.0 feet distant west of the Southeast corner of said Section 24; thence Northerly along a line parallel to the East line of said Section 24, a distance of 946.41 feet to a corner, said corner being marked with an iron pipe monument; thence West-

erly along a line parallel to the North line of said SE  $\frac{1}{4}$  SE  $\frac{1}{4}$  of Section 24, a distance of 420.0 feet to a corner, said corner being marked with an iron pipe monument; thence Northerly along a line parallel to the East line of said Section 24, a distance of 300.0 feet to a corner, said corner being marked with an iron pipe monument; thence Westerly along a line parallel to the North line of said SE  $\frac{1}{4}$  SE  $\frac{1}{4}$  of Section 24, a distance of 374.52 feet to a corner, said corner being marked with an iron pipe monument; thence Southerly along a line parallel to the East line of said Section 24, a distance of 770.89 feet to a corner, said corner being marked with an iron pipe monument; thence Southeasterly, a distance of 515.95 feet to a corner on the South line of said Section 24, said corner being marked with an iron pipe monument; thence Easterly along the South line of said Section 24, a distance of 600.0 feet to the place of beginning, containing 19.44 acres, more or less, but subject to an existing easement over the South 20.0 feet thereof for the operation and maintenance of an electrical distribution line or system.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### **ADDITION TO CONTRACT FOR CONSTRUCTION OF ASSEMBLY HALL**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$7,211.16 in the contract with Felmley-Dickerson Company for construction of the Assembly Hall to modify the tile drainage system under the playing floor, the north and south circular walls, and the filter beds under the lower tiers of seats at the east and west sides of the arena.

Funds are available in the construction budget.

I concur.

On motion of Mrs. Watkins, this change in contract was authorized.

#### **ADDITION TO CONTRACT FOR CONSTRUCTION OF THE CONGRESS CIRCLE CAMPUS**

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$22,481.99 in the contract with Gust K. Newberg Construction Company, Chicago, for construction of buildings at Congress Circle to provide for changes in the communications system and additional conduit in classrooms and offices.

Funds are available in the construction budget.

I concur.

On motion of Mr. Page, this change in contract was authorized.

#### **BEQUEST OF FRED H. BURT TO COLLEGE OF VETERINARY MEDICINE**

(12) The will of the late Dr. Fred H. Burt of Chenoa, for many years a practicing veterinarian, provides a bequest: "The sum of Five Thousand Dollars (\$5,000.00) to the University of Illinois, Champaign, Illinois, to be used in the veterinary department in memory of Fred H. Burt."

Dean C. A. Brandly and the Executive Committee and other staff of the College of Veterinary Medicine have advised that the bequest be used to establish a loan fund. While the bequest by itself would have limited long-range value in helping students, this fund deposited with United Student Aid Funds, Incorporated, would establish a reserve that would allow loans aggregating at least \$75,000 to students in the College of Veterinary Medicine from their local banks. If all loans are repaid, the original sum would eventually be returned to the University.

Such use of the bequest is approved by the Legal Counsel and the United Student Aid Fund, Incorporated, has agreed to accept the fund, to match at least the first \$1,000, to set it up as a reserve separate from the other general U.S.A. Fund established by the University of Illinois, and to administer it exclusively for students in the College of Veterinary Medicine.

Accordingly, authorization is requested to deposit the \$5,000 received under the bequest with the United Student Aid Funds, Incorporated, to establish a loan reserve under the conditions described.

On motion of Mr. Hughes, this recommendation was approved.

**RESERVE OFFICERS' TRAINING CORPS PROGRAM**

(13) The Urbana-Champaign Senate recommends that effective September 1, 1964, the University of Illinois substitute for the requirement of compulsory military training for male freshmen and sophomores, voluntary basic programs in Air Force and Army R.O.T.C.

No other Senate jurisdiction is involved.

I concur.

On motion of Mr. Pogue, this recommendation was approved.

**PURCHASES****Purchases Authorized**

(14) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

*Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One vehicle, personnel carrier, four cylinder, four-wheel drive, left-hand drive, with standard accessory equipment for use in the U.S. Agency for International Development Sierra Leone project	Agency for International Development—Sierra Leone	Kaiser Jeep Corp., Government Products Division, Toledo, Ohio	\$ 2 522 35 f.o.b. New York, N.Y.
Four antenna towers, galvanized steel, self-supporting, 80 ft. high, delivered and installed at the Electrical Engineering Bondville site	Electrical Engineering	Rohn Systems, Inc., Peoria	4 710 00 f.o.b. delivered and installed

On motion of Mr. Johnston, these purchases were approved.

**Purchases Recommended**

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

*Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One eight-channel photographic poly-graph and accessories (Note: This purchase is from both Appropriated Funds, \$6,335.00, and Institutional Funds, \$3,988.50, for a total of \$10,323.50.)	Pediatrics, Chicago	Sanborn Co., Chicago	\$ 6 335 00 delivered
Eight motorized, variable height hospital beds with accessories, including safety sides, intravenous rods, and mattresses	Research and Educational Hospitals, Chicago	Hill-Rom Co., Inc., Batesville, Ind.	4 207 60 delivered
Six oscilloscopes, dual trace, basic unit, 20mc	Electrical Engineering	Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago	6 785 00 f.o.b. Palo Alto, Calif.
One amplifier, plug-in, differential			
Five amplifiers, plug-in, dual trace			
Six amplifiers, plug-in time base			
One frequency counter, 10 cps to 100 mc, in-line (nixie) readout, rack mount, 1 msec gate time, 100 mv sensitivity, stability 5 parts in 10 <sup>6</sup> per week	Physics	Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago	2 690 70 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One bandsaw, vertical, maximum capacity 23 in. by 18 in., metal working, to be used by the Physical Plant metal shop for general maintenance work on the Urbana campus	Physical Plant	Armstrong-Blum Manufacturing Co., Chicago	\$ 2 752 20 f.o.b. delivered
One truck chassis, 1964 model, 43,000 gross vehicle weight, V-8 engine, without trade-in	Physical Plant Storeroom	Coleman & Associates, Rockford	5 155 00
One refuse container frame consisting of heavy duty winch, hydraulic hoist, rollers and hydraulic stabilizing jack legs to be mounted on above truck chassis		Container Carrier International Harvester Co., Springfield	8 185 69
		Chassis	(13 340 69) f.o.b. delivered

*Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One ultra-microtome with table and one set of specimen holders	Histology, Chicago	LKB Instruments, Inc., Washington, D.C.	\$ 4 080 00 f.o.b. Chicago
Forty-two modular settees consisting of two two-seat units, eleven three-seat units, twenty-four four-seat units, two two-seat units with table, and three three-seat units with table	Medical Center, Chicago (for various clinics)	Rochelle's, Inc., Chicago	9 706 00 delivered
One lot of laboratory equipment and supplies consisting of three laboratory carts, one oven, 230 stools, nine lantern slide files, twelve pipette baskets twenty-four dozen slide boxes, ninety-six rolls aluminum foil, and 700 ounces cover glasses	Medical Center Stores, Chicago	Aloe Scientific Division, Schiller Park	7 999 50 delivered
One automatic laboratory analyzer	Medical Physiology, Chicago	Technicon Instruments Corp., Chauncey, N.Y.	3 848 50 delivered
One lot of accessories for an automatic gamma counting system	Medicine, Chicago	Nuclear-Chicago Corp., Chicago	6 418 00 delivered
One lot of laboratory equipment and supplies consisting of twelve incubators, four water-baths, four clinical centrifuges and accessories, and forty-eight laboratory carts	Microbiology, Chicago	Aloe Scientific Division, Schiller Park	8 799 50 delivered
One analog computer and accessories	Otolaryngology, Illinois Eye and Ear Infirmary, Chicago	Syston-Donnor Corp., c/o Carter Electronics, Inc., Chicago	3 785 00 f.o.b. Concord, Calif.
One monochromator and accessories	Pharmacognosy and Pharmacology, Chicago	W. H. Kessel & Co., Chicago	3 669 00 delivered
One six-channel polygraph with accessories	Pharmacology, Chicago	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	6 056 00 f.o.b. Schiller Park
504 bottles lipomul I.V.; this is a three-month supply of this item, a high carbohydrate dietary supplement used in pre- and post-operative care	Pharmacy Stores, Chicago	The Upjohn Co., Chicago	2 948 40 delivered
Calculators, full keyboard, desk type, in the following quantities with the features required: Group 1 — One automatic square root extracting Group 2 — One memory for repetitive keyboard amounts, with recall Group 3 — Twelve automatic multi-factor multiplication ( $A \times B \times C$ ) with twenty-one place lower dial Group 4 — Eleven automatic single entry squaring Group 5 — One fully automatic with dual keyboard Group 6 — One semi-automatic with split lower dial, with lock for each section Group 7 — One semi-automatic with three dial capacity ( $8 \times 8 \times 16$ ) Less trade-in allowance on three calculators	Agronomy	Monroe Calculating Machine Co., Groups 2, 3, 6 SCM Corp., Groups 4, 7 Friden, Inc., Groups 1, 5	11 048 00 11 360 00 2 275 00 (24 683 00)

(Note: This purchase is from both Institutional Funds, \$24,295.00, and Appropriated Funds, \$388.00, for a total of \$24,683.00.)

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Twelve typewriters, standard electric, 13 in. carriage, 86-character keyboard, less trade-in value of five used electric typewriters	Agronomy	International Business Machines Corp., Springfield	\$ 3 470 00 f.o.b. delivered
One oscilloscope, dual beam, with sweep delay of 0.1 microsecond/cm to 50 seconds/cm, complete with plug-in operational amplifier, log adapter, scope-cart with casters, recording camera with bezel, hood, and adapter	Chemistry and Chemical Engineering	Tektronix, Inc., Park Ridge	4 471 50 f.o.b. Beaverton, Ore
One fourteen-channel interval timer	Civil Engineering	Computer Measurements Co., Chicago	3 425 00 f.o.b. delivered
1,300 connectors, taper pin printed circuit, with 44-pin contacts	Digital Computer Laboratory	Methode Electronics, Inc., Chicago	4 745 00 f.o.b. Chicago
Item 1—3,000 transistors type 2N706A Item 2—1,000 transistors type 2N1 309	Digital Computer Laboratory	Motorola Semiconductor Products, Inc., Chicago Item 1 Electronic Components for Industry Co., St. Louis, Mo. Item 2	2 550 00 f.o.b. Phoenix, Ariz. 654 93 f.o.b. delivered (3 204 93)
One multi-channel analyzer, which is a digital storage oscilloscope composed of a 1024 channel magnetic core memory, with built-in controls for displaying the stored data on an external cathode ray oscilloscope	Electrical Engineering	Nuclear Data, Inc., Madison, Wis.	7 715 50 f.o.b. delivered
Item 1—Ten vacuum tube voltmeters, 10 cps to 4mc Item 2—Three low frequency oscillators, 1 cps to 100 kc Item 3—Two square wave generators, 1 cps to 1mc	Electrical Engineering	Hewlett-Packard Co., c/o Crossley Associates, Chicago Items 2 and 3 Ballantine Laboratories, Inc., c/o Lang Claeson & Associates, Chicago Item 1	1 600 00 f.o.b. shipping point 2 500 00 f.o.b. Boonton, N.J.
One spectrophotometer system, with quartz optics, and a built-in scale in wave-lengths of from 185 mμ to 2,000 mμ, including the following components: one monochromator, lamp housing power supply unit, thermostated sample changer and indicator unit	Entomology	W. H. Kessel & Co., Chicago	5 125 40 f.o.b. delivered
35,000 pounds soft shell clams ( <i>Mya arenaria</i> ), shucked but intact, packed in number 10 C enamel cans, to be delivered as needed as follows: 6,000 lbs. January 22, 1964 9,000 lbs. July, 1964 10,000 lbs. January, 1965 10,000 lbs. June, 1965	Veterinary Medicine	Maryland Clam Co., Inc., Easton, Md.	22 662 50 f.o.b. delivered
Photography print processing system, consisting of: Group 1 — Continuous paper processor with electric dryer, roll paper holder, roll paper cutter, all complete with feed assemblies, tanks and reels Group 2 — High resolution electronic contact printer, automatic roll paper transport and counter	Photography	Eastman Kodak Co., Rochester, N.Y. Group 1 Log Etronics, Inc., Alexandria, Va. Group 2	16 758 80 f.o.b. Rochester, N.Y. 6 400 17 f.o.b. delivered (23 158 97)
Furnish and install heating and cooling equipment in the Aircraft Maintenance Stockroom Building at the University of Illinois-Willard Airport; equipment to consist of three oil-fired, forced air furnaces, one three-ton cooling condenser, and all necessary ducts, pipes, and controls	Institute of Aviation	Nogle & Black, Inc., Champaign	5 107 00 f.o.b. delivered and installed



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Books, examination, trim size 8½ in. by 11 in., 16 lb., No. 4 sulfite stock saddle stitched, faint ruled, as follows: 100,000 sixteen-page 300,000 eight-page 100,000 four-page	Office Supply Storeroom	C. P. Leash Paper Co., Indianapolis, Ind.	\$ 5 890 00 f.o.b. delivered
Group 1— 60,000 sets combination purchase order-delivery invoice voucher, eleven part, approximately 8½ in. by 11 in. detached size 20,000 sets delivery-invoice voucher, four part, approximately 8½ in. by 11 in. detached size 20,000 sets delivery-invoice voucher, five part, approximately 8½ in. by 11 in. detached size	Office Supply Storeroom	Varco, Inc., Decatur Group 1 Recording & Statistical Co., Danville Group 2	4 714 00  942 00 (5 656 00) f.o.b. delivered
Group 2— 22,000 sets bid proposal form, approximately 8½ in. by 11 in. detached			
Print and bind 1,500 copies <i>Regional Development of the Wabash Basin</i> , by Ronald R. Boyce, approximately 224 pages per copy, trim size 6½ in. by 10 in.	University Press	Technipress, Inc., Washington, D.C.	3 291 50 f.o.b. delivered
Six panelboards, lighting, forty-four pieces of trim and tubs for panelboards, and 277 circuit breakers (to be used by the Physical Plant as a six-month supply to be stored in the Physical Plant Storeroom for use in various lighting jobs on the Urbana campus)	Physical Plant	Walker Electric Supply Co., Inc., Terre Haute, Ind.	2 725 54 f.o.b. delivered
800 yards (approximately) concrete, ready mixed, for six-month period January 1, 1964, through June 30, 1964, to be obtained by the Physical Plant for various jobs on the Urbana campus	Physical Plant	Champaign Builder's Supply Co., Champaign	12 937 50 f.o.b. delivered
1,400 each (approximately) fixtures, fluorescent, lighting for two 40-watt lamps and four 40-watt lamps 2,500 each (approximately) louvers, plastic, cube and prism type for above fixtures 1,400 each (approximately) hangers, single stem, for above fixtures; Fixtures and accessories to be purchased as required for the Physical Plant Storeroom during the period January 1, 1964, through December 31, 1964	Physical Plant	Tepper Electric Supply Co., Champaign	44 473 50 f.o.b. delivered
One truck, 1964 model, two-ton, equipped with van body and hydraulic power lift gate, less trade-in of a truck, 1955 model, two-ton, with same equipment	Physical Plant	International Harvester Co., Springfield	3 599 00 f.o.b. delivered
One lot of unitized laboratory furniture consisting of two fume hoods, one sink unit, ten base units with drawers, and six wall storage units, to be used to equip a laboratory in the Metallurgy and Mining Building	Physical Plant Storeroom	E. H. Sheldon Equipment Co., Muskegon, Mich.	3 987 23 f.o.b. delivered
Nuclear energy liability insurance providing liability coverage up to an annual aggregate of \$250,000; excess coverage provided under license granted by the Atomic Energy Commission from \$250,000 to \$500,000,000	Nuclear Engineering	J. S. Frelinghuysen Corp., New York, N.Y., representing Nuclear Energy Liability Insurance Association	4 500 00
Blanket crime insurance for five years at limits of \$350,000 covering "The Board of Trustees of the University of Illinois" at a cost of \$8,713.12, and blanket crime insurance for five years at limits of \$100,000 covering the University related agencies and student organizations at a cost of \$1,696.95, or a total of \$10,410.07	Bursar and Accounting	James S. Kemper Co., Chicago, representing American Motorists Insurance Co.	10 410 07

On motion of Mr. Johnston, these purchases were authorized.

## COMPTROLLER'S REPORT OF CONTRACTS

(15) The Comptroller's report of contracts executed during the period November 1 to 30, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Babcock & Wilcox Research Center	Study in photothermoelasticity	\$ 2 600 00	October 1, 1963
National Aeronautics and Space Administration NSG-395	Selected radiation and propagation problems related to antennas and probes in magneto-ionic media	28 930 00	April 1, 1963
National Aeronautics and Space Administration NSG-511	Electron density and collision frequency in the lower ionosphere	118 150 90	October 1, 1963
Peace Corps PC-(W)-263	Project in Sierra Leone	68 934 00	October 1, 1963
Peace Corps PC-(W)-270	Measurement of volunteer attitude swings in accordance with expectations	20 684 00	October 1, 1963
State of Illinois Department of Mental Health Project 17-153	Role of proteins in brain function	34 390 00	July 1, 1963
United States Air Force AF-AFOSR-107-64	Charged colloidal sized particles for propulsion	49 829 00	November 1, 1963
United States Air Force AF-AFOSR-547-64	Wall turbulence	30 224 00	November 1, 1963
United States Air Force AF49(638)-1291	Negotiation and decision-making in complex organizations	24 972 00	November 15, 1963
United States Army DA36-039 AMC-03703 (E)	Ionospheric research	39 323 00	November 14, 1963
<i>Total</i>		<u>\$418 036 90</u>	

## Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Business Machines Corp.	Four items: One type 26 key punch and alterations	\$ 177 20	October and November, 1963

## Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Illinois Archaeological Survey	Testing and excavation at the Minier site	\$ 1 441 75	October 17, 1963
State of Illinois Department of Mental Health Project 1723	Psychosomatic differentiation in infancy	63 174 00	July 12, 1963
State of Illinois Department of Mental Health Project 1747	Relation of neural metabolism to function	31 427 00	May 21, 1963
Tee-Pak Foundation	Various types of films as retardants to deterioration of meat and meat products	4 300 00	August 15, 1963
United States Agency for International Development AIDC-1258	Assist Uttar Pradesh Government in the organization and development of a United States land-grant type of University	294 217 00	October 25, 1963
United States Agency for International Development AIDC-1453	Technical advice and assistance requested by the government of India	449 054 00	October 29, 1963
United States Air Force AF49(638)-672	Internal friction techniques in the study of diffusion and phase changes in metals	672 40	October 23, 1963
United States Atomic Energy Commission AT(11-1)-790	Ribonucleic acid in the accumulation of ions by plant cells	22 000 00	November 1, 1963
United States Bureau of Public Roads, Department of Commerce CPR11-7768	Fatigue of welded beams and girders in structural and low alloy steels	30 000 00	July 1, 1963

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Navy N123(953)30508A	Design of a major integrated ship-board antenna system	\$ 87 200 00	September 6, 1963
United States Navy Nonr-1834(15)	Design and development of selected computer components	40 000 00	August 31, 1963
United States Navy Nonr-1834(19)	Properties of dielectric and semi-conducting solids	20 000 00	September 11, 1963
<i>Total</i>		<u>\$1 043 486 15</u>	

### Adjustments Made in 1963-64 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
George S. Grimmett and Company (Plastering)	Seventy-three items: \$346.79 deduct to \$500.00	\$ 1 028 86	October and November, 1963

This report was received for record.

### INVESTMENT REPORT

#### Report of the Finance Committee

(16) The Finance Committee reported the following changes in investments of endowment and other funds for the month of October, 1963:

#### *Pool*

##### *Purchase*

\$ 5 000	U. S. Treasury bonds	4 per cent	8/15/72	\$ 4 990 63
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#### Report of the Comptroller

The Comptroller reports the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

#### *Current Funds*

##### *Restricted Group (June 20, 1962)*

##### *Purchase*

\$400 000	U. S. Treasury bills	10/31/63	\$399 409 78
600 000	U. S. Treasury bills	11/14/63	598 040 00

#### *Construction Funds*

##### *Assembly Hall (June 23, 1959, and March 17, 1962)*

##### *Purchase*

\$115 000	U. S. Treasury bills	2/13/64	\$113 684 72
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##### *Congress Circle Union (June 19, 1963, Chicago)*

##### *Purchase*

\$ 55 000	U. S. Treasury bills	2/20/64	\$ 54 365 50
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##### *Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953, Chicago)*

##### *Purchase*

\$100 000	U. S. Treasury bills	1/23/64	\$ 99 118 00
225 000	U. S. Treasury bills	4/23/64	220 882 00

##### *Illini Union and Health Center (December 21, 1960)*

##### *Sale*

\$ 40 000	U. S. Treasury certificates	3½ per cent	11/15/63	\$ 40 012 50
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##### *Illinois Street Residence Halls (October 17, 1962)*

##### *Sale*

\$157 000	U. S. Treasury notes	4½ per cent	11/15/63	\$157 245 31
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##### *Orchard Downs Apartments (June 14, 1960)*

##### *Purchase*

\$110 000	U. S. Treasury bills	12/12/63	\$109 431 91
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##### *Orchard Downs Apartments Addition (May 24, 1962)*

##### *Purchase*

\$ 92 000	U. S. Treasury bills	12/12/63	\$ 91 524 87
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**Pennsylvania Avenue Residence Halls (June 21, 1961)**

**Purchase**

\$100 000	U. S. Treasury bills	12/12/63	\$ 99 480 44
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**Student Services Building (May 17, 1961)**

**Purchase**

\$ 30 000	U. S. Treasury bills	12/12/63	\$ 29 844 14
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**Sinking Funds**

**Assembly Hall (June 23, 1959)**

**Purchase**

\$225 000	U. S. Treasury bills	3/19/64	\$221 346 00
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On motion of Mr. Williamson, this report was received for record.

**REPORT OF GIFTS AND FUNDS RECEIVED FROM OUTSIDE SOURCES**

(17) Following is a report of gifts, grants, and contract funds received by the University during the fiscal year July 1, 1962, through June 30, 1963. This report includes funds from private donors and funds received from governmental agencies and covers all payments received during the fiscal year. A period of several months may elapse between the time an offer is received and accepted and final payment is made, which will account for the listing here of some gifts of funds, such as for scholarships and fellowships, for the academic year 1962-63 and others for 1963-64.

A number of these grants and gifts were previously reported to the Board when the offers were received, and likewise the Comptroller's monthly reports have included numerous research contracts for which funds had not been received at the time of reporting. These funds are being included here in order to present a complete report of all funds received from outside sources during the fiscal period 1962-63.

The contracts have all been properly executed by the Secretary and the Comptroller of the Board. All gifts and grants reported have been accepted and duly acknowledged by the President or other appropriate University officer with an expression of appreciation on behalf of the University and the Board of Trustees.

**Colleges and Schools at Urbana-Champaign**

**Undergraduate Scholarships**

- |  |           |
|--|-----------|
| 1. Aerojet-General Corporation, Azusa, California: scholarship in ceramic engineering, academic year 1962-63.....  | \$ 500 00 |
| 2. Alcoa Foundation, Pittsburgh, Pennsylvania: scholarships in ceramic engineering (\$625), metallurgical engineering (\$625), and civil engineering (\$625), academic year 1963-64..... | 1 875 00  |
| 3. Robert Allerton, Koloa, Kauai, Hawaii: renewal of Allerton American Traveling Scholarships in architecture, academic year 1963-64 .....   | 1 000 00  |
| 4. Allstate Foundation, Skokie: scholarships for driver education teachers in extramural courses given by the Division of University Extension .....                                     | 3 000 00  |
| 5. Alumni Association, University of Illinois: scholarship in music.....   | 18 00     |
| 6. American Society for Metals Foundation for Education and Research, Metals Park, Ohio: renewal of scholarship in metallurgy, academic year 1962-63.....                                | 500 00    |
| 7. Anonymous donor: to the Department of Civil Engineering for scholarship aid.....  | 2 000 00  |
| 8. Armstrong Cork Company, Lancaster, Pennsylvania: renewal of scholarship, academic years 1962-63 and 1963-64.....  | 330 00    |
| 9. Barber-Colman Company, Rockford: scholarships in engineering.....   | 3 915 00  |
| 10. Bay State Abrasive Products Company, Westboro, Massachusetts: undergraduate scholarships in ceramic engineering as a memorial to O. S. Buckner.....                                  | 500 00    |

11. Borden Company Foundation, Inc., New York, New York: for the Borden Home Economics Scholarship Award and the Borden Agricultural Scholarship (\$1,500 each).....	3 000 00
12. California Company, New Orleans, Louisiana: renewal of undergraduate scholarship in geology.....	500 00
13. Campus Chest, University of Illinois: undergraduate scholarships, academic year 1963-64.....	1 680 00
14. Chemstrand Company, New York, New York: scholarship in chemical engineering.....	500 00
15. Chicago Farmers: scholarship for a senior in agriculture, academic year 1962-63.....	500 00
16. Columbian Enameling and Stamping Company, Inc., Terre Haute, Indiana: scholarship in ceramic engineering, academic year 1962-63.....	500 00
17. Companion Shepherd Dog Club, Oak Park: three scholarships for students in the College of Veterinary Medicine.....	1 500 00
18. Consolidation Coal Company, Library, Pennsylvania: scholarship for senior student in chemistry and chemical engineering, academic year 1962-63.....	500 00
19. Corn Products Company, New York, New York: scholarships, academic year 1962-63.....	1 200 00
20. Crossley Associates, Inc., Chicago: scholarships in electronics or physics, academic year 1963-64.....	300 00
21. Dads Association, University of Illinois: scholarships, academic year 1962-63.....	2 040 00
22. Douglas Aircraft Company, Inc., Santa Monica, California: scholarship for an outstanding and deserving senior student in aeronautical or electrical engineering, academic year 1963-64.....	750 00
23. Dow Chemical Company, Midland, Michigan: scholarship in and metallurgical engineering, academic year 1963-64.....	500 00
24. Federal Land Bank of St. Louis and various Federal Land Bank Associations in Illinois: two \$500 scholarships in agriculture, academic year 1963-64.....	1 000 00
25. Ferro Corporation, Cleveland, Ohio: scholarships in ceramic engineering.....	750 00
26. First Federal Savings and Loan Association, Champaign: scholarship for sophomore, junior, or senior in College of Commerce and Business Administration, academic year 1962-63.....	500 00
27. Foundry Educational Foundation, Cleveland, Ohio: scholarship in mechanical engineering.....	1 475 00
28. Galesburg Builders Supply, Galesburg: for the Harry M. Gunther Scholarship, academic year 1962-63.....	500 00
29. Frank E. Gannett Newspaper Foundation, Inc., Rochester, New York: scholarship in College of Journalism and Communications to be awarded to a junior for use during his senior year.....	500 00
30. General Motors Corporation, Detroit, Michigan: General Motors College Scholarship Plan and General Motors National Scholarship Plan.....	13 205 00
31. Harbison-Walker Charitable Fund, Inc., Chicago: scholarship in ceramic engineering.....	500 00
32. Joseph Harrington, Jr., Wenham, Massachusetts: the Dunlap Harrington Memorial Scholarship Award.....	50 00
33. Harris Trust and Savings Bank, Chicago: scholarship as a memorial to Thomas Arkle Clark.....	600 00
34. Estate of Dr. Charles P. Howard, Champaign: income from the Dr. Hartwell C. Howard Memorial Fund, endowment to aid premedical and pre dental students.....	1 770 03
35. Illinois Association of Insurance Agents, Springfield: for the G. A. Mavon Scholarship Fund for students planning careers in general insurance, first semester 1962-63.....	500 00

36. Illinois Chapter of Alpha Delta Phi: scholarship, academic year 1963-64 .....	270 00
37. Illinois Congress of Parents and Teachers, Mount Pulaski: two scholarships—one in any field of teacher training (\$5,300) and one in special education (\$3,500) .....	8 800 00
38. Illinois Farm Supply Company, Chicago: scholarships in agriculture and in commerce and business administration, academic years 1962-63 and 1963-64 .....	3 600 00
39. Illinois Federation of Women's Clubs, Chicago: scholarship in occupational therapy (\$2,200) and for general scholarships (\$1,000) .....	4 200 00
40. Illinois Health Improvement Association, Springfield: renewal of scholarship for students in health education .....	300 00
41. Illinois Mining Institute, Urbana: scholarships in the Department of Mining, Metallurgy, and Petroleum Engineering .....	1 150 97
42. Illinois Production Credit Association, Jacksonville: the Production Credit Association Scholarship in Agriculture .....	600 00
43. Illinois State Federation of Labor and Congress of Industrial Organizations, Chicago: scholarships, academic year 1962-63 .....	1 000 00
44. Industrial Minerals of Canada Limited: scholarships in ceramic engineering .....	500 00
45. Junior Women's Advertising Club of Chicago: scholarship in journalism .....	675 00
46. Kennecott Copper Corporation, New York, New York: scholarship in chemical engineering .....	1 000 00
47. Kroger Company, Cincinnati, Ohio: three scholarships in agriculture and three in home economics (\$250 each) .....	1 500 00
48. Magnavox Company, Fort Wayne, Indiana: scholarships, academic year 1962-63 .....	3 000 00
49. P. R. Mallory and Company, Inc., Indianapolis, Indiana: scholarship in ceramic engineering .....	250 00
50. Men's Residence Halls Association, University of Illinois: Calvin S. Siferd—MRHA Scholarship .....	200 00
51. Minnesota Mining and Manufacturing Company, St. Paul, Minnesota: scholarships in engineering, academic year 1963-64 .....	1 000 00
52. Mississippi Valley Structural Steel Company, Decatur: scholarships .....	600 00
53. Moorman Manufacturing Company, Quincy: scholarship in agriculture, academic year 1962-63 .....	1 500 00
54. Mothers Association, University of Illinois: scholarships .....	1 890 00
55. Motorola, Inc., Chicago: scholarship in art .....	1 000 00
56. National Association of Home Builders, Washington, D.C.: Renewal of scholarship in field of home building industry .....	\$ 1 000 00
Scholarships to aid qualified and deserving students to spend a summer (ten weeks) in the NAHB Research Institute Laboratory to further their education by close contact with actual technological research and development programs in the field of home building .....	
57. National Merit Scholarship Corporation: scholarships, academic year 1963-64 (supplemental grant in recognition of National Merit Scholars enrolled at the University of Illinois but to be used for scholarship aid to students who were not Merit Scholars) .....	700 00
58. National Secretaries Association, Champaign-Urbana Chapter, Urbana: scholarships, academic year 1963-64 .....	150 00
59. Old Ben Coal Company, Chicago: scholarship in mining engineering .....	1 000 00
60. Owens-Corning Fiberglas Corporation, Toledo, Ohio: scholarships in engineering .....	1 000 00

61. Owens-Illinois Glass Company, Toledo, Ohio: scholarship in engineering .....	2 860 00
62. Pennsylvania Glass Sand Corporation, New York, New York: scholarship, academic year 1963-64.....	270 00
63. Estate of Helen Korte Phelps, Chicago: five scholarships (Korte Scholarships), academic years 1962-63 (three scholarships) and 1963-64 (two scholarships).....	2 500 00
64. Pi Kappa Lambda: scholarship in music in memory of Fred-eric B. Stiven.....	1 600 00
65. Presser Foundation, Philadelphia, Pennsylvania: scholarship in music, academic year 1962-63.....	400 00
66. Procon, Incorporated, Des Plaines: scholarships in engi-neering, academic year 1962-63.....	500 00
67. Ralston Purina Company, St. Louis, Missouri: scholarship in agriculture .....	500 00
68. Research and Engineering Professional Employees Associa-tion, Whiting, Indiana: scholarship in engineering, physical science, or physical science teaching, academic year 1962-63..	500 00
69. Sahara Coal Company, Inc., Chicago: scholarship in mining engineering.....	250 00
70. Scully-Jones and Company, Chicago: J. A. Scully Scholarship in engineering, academic year 1962-63.....	300 00
71. Sears-Roebuck Foundation, Chicago: scholarships in agricul-ture (\$4,200) and home economics (\$900) academic year 1962-63.....	5 100 00
72. Alfred P. Sloan Foundation, Inc., New York, New York: annual stipends for five Alfred P. Sloan National Scholars, academic year 1962-63.....	6 300 00
73. A. O. Smith Foundation, Inc., Milwaukee, Wisconsin: schol-arship in ceramic engineering, academic year 1962-63.....	1 000 00
74. Square D Company, Detroit, Michigan: scholarships, aca-demic year 1962-63.....	1 200 00
75. Standard Oil Company of California, San Francisco, Cali-fornia: scholarship in chemical engineering.....	750 00
76. Stauffer Chemical Company, Chicago: scholarship in memory of the late August Kochs, founder of the Victor Chemical Works, academic years 1962-63 and 1963-64.....	6 000 00
77. Tee Pak Foundation, Chicago: two scholarships, academic years 1961-62 and 1962-63.....	1 000 00
78. Texaco, Inc., New York, New York: scholarships, academic year 1961-62 .....	1 400 00
79. Union Carbide Educational Fund, New York, New York: scholarships in engineering, academic year 1962-63.....	1 685 00
80. Universal Oil Products Company, Des Plaines: scholarship in chemical engineering, academic year 1963-64.....	1 000 00
81. University of Illinois Student Organizations: scholarships, academic year 1963-64.....	2 500 00
82. Various donors: to add to Raymond Torr Memorial Schol-arship in Journalism.....	100 00
83. Western Electric Fund, New York, New York: scholarships in engineering, academic year 1962-63.....	1 200 00
84. Witt-Armstrong Equipment Company, Springfield: schol-arship in engineering, academic year 1962-63.....	450 00
85. Zeta Tau Alpha Foundation: for the Shirley K. Strout Scholarship in journalism.....	250 00
<i>Total, Undergraduate Scholarships.....</i>	<i>\$ 124 959 00</i>
<i>Miscellaneous Awards and Financial Aids to Students</i>	
86. Deeter and Ritchey, Pittsburgh, Pennsylvania: to assist architectural students and student organizations.....	800 00
87. Illinois Society of Architects: award in architecture.....	250 00
88. Kivett and Myers and McCallum, Kansas City, Missouri: to the Department of Architecture for a student award.....	200 00

89. Various donors: for prizes in architecture.....	1 375 00
Bradley and Bradley, Inc.....	\$100 00
Koppers Company, Inc.....	500 00
Agnes V. Marggraf.....	100 00
Synod of Illinois.....	675 00
90. John Wiley and Sons, Inc., New York, New York: for the Fred B. Seely Award in engineering mechanics (Mr. Seely is a retired Professor of Theoretical and Applied Mechanics)	100 00
91. Contributions received by the Dean of Women from numer- ous donors: Women's Student Aid Fund.....	7 239 00
92. University of Illinois Foundation: for student aid.....	176 497 88
<i>Total, Miscellaneous Awards and Financial Aid to Students.....</i>	<i>\$ 186 461 88</i>

*Student Loans*

93. Agricultural Institute, St. Louis, Missouri: for the Robert R. Hudelson Student Fund.....	\$ 200 00
94. Alpha Phi Omega, Champaign: for the Alpha Phi Omega Student Loan Fund.....	145 00
95. Bloomington-Normal Illini Club: for long-term student loans	502 45
96. Campus Chest, University of Illinois: to establish a long- term loan fund.....	560 00
97. Champaign Kennel Club: for the College of Veterinary Medicine student loan fund.....	200 00
98. Herb Edwards, Milford, Michigan: for students loans in memory of Mrs. Iola G. Gardner.....	25 00
99. Dr. and Mrs. Arthur L. Ennis, Decatur: for the Dr. and Mrs. Arthur L. Ennis Student Loan Fund.....	500 00
100. Ford Foundation, New York, New York: for forgivable loans to doctoral students in engineering (future engineer- ing teachers) .....	100 00
101. Illinois Veterinary Medical Association Auxiliary, Des Plaines: for the College of Veterinary Medicine student loan fund .....	300 00
102. Koppers Company, Inc., Pittsburgh, Pennsylvania: for the Koppers Company Student Loan Fund for architecture students.....	500 00
103. Milwaukee, Wisconsin, Illini Club: for long-term student loans.....	1 013 50
104. Henry Strong Educational Foundation, Chicago: to add to the long-term student loan funds.....	2 000 00
105. United States Department of Health, Education, and Wel- fare under the National Defense Education Act: for stu- dent loans for all three campuses.....	233 000 00
106. United Student Aid Funds, Incorporated: for long-term student loans .....	2 000 00
107. University of Illinois Foundation.....	2 000 00
Establishment of a loan fund for College of Law students .....	\$ 1 000 00
For long-term student loans.....	1 000 00
<i>Total, Student Loans.....</i>	<i>\$ 243 045 95</i>

*Funds for Graduate Fellowships and Research*

108. Abbott Laboratories, North Chicago: for the Roger Adams Fellowship in chemistry, academic year 1963-64.....	\$ 3 400 00
109. Allied Chemical Corporation, New York, New York: two fellowships in the Department of Chemistry and Chemical Engineering, academic year 1962-63, payment being in com- mon stock of American Viscose Corporation.....	6 012 04
110. American Oil Company, Whiting, Indiana: for an Ameri- can Oil Foundation Fellowship in chemical engineering, academic year 1962-63.....	4 897 50



111. American Oil Foundation, Chicago: fellowship in chemical engineering, academic years 1962-63 (\$2,500) and 1963-64 (\$5,375) .....	7 875 00
112. American Physiological Society, Washington, D.C.: fellowship in physiology .....	340 00
113. American Society of Tool and Manufacturing Engineers, Detroit, Michigan: fellowship in mechanical and industrial engineering, academic year 1963-64 .....	2 570 00
114. Automotive Safety Foundation, Washington, D.C.: fellowship in highway engineering, academic year 1962-63 .....	2 000 00
115. Chemical Industries Council: fellowships in chemistry and chemical engineering, summer of 1963 .....	1 000 00
116. Collins Radio Company, Cedar Rapids, Iowa: renewal of an instructor-fellowship in electrical engineering, academic year 1962-63 .....	2 000 00
117. Continental Oil Company, Ponca City, Oklahoma: fellowship in mathematics, academic years 1962-63 and 1963-64 .....	6 000 00
118. Corning Glass Works Foundation, Corning, New York: renewal of a fellowship in chemistry and chemical engineering, academic year 1962-63 .....	2 840 00
119. Diamond Alkali Company, Cleveland, Ohio: fellowship in chemical engineering, summer of 1963 .....	600 00
120. Douglas Aircraft Company, Inc., Santa Monica, California: fellowship for a graduate student in aeronautical engineering .....	2 200 00
121. Dow Chemical Company, Midland, Michigan: fellowships in chemistry and chemical engineering, academic year 1963-64 .....	6 000 00
122. Esso Research and Engineering Company, Linden, New Jersey: fellowship in chemistry, academic year 1962-63 .....	3 670 00
123. Ethyl Corporation, Detroit, Michigan: fellowship in chemistry, academic year 1962-63 .....	3 340 00
124. Firestone Tire and Rubber Company, Akron, Ohio: for the C. S. Marvel Fellowship in chemistry, academic year 1963-64 .....	3 500 00
125. Ford Foundation, New York, New York: Fellowship in business administration and economics .....	55 380 00
Legislative internships in the General Assembly of Illinois .....	\$ 32 870 00
126. General Dynamics Corporation, San Diego, California: fellowship in physics, academic year 1963-64 .....	22 510 00
127. General Electric Foundation, Ossining, New York: fellowships in chemistry, physics, engineering, accounting, and finance (\$5,000 each) .....	4 000 00
128. General Foods Fund, Inc., New York, New York: fellowships in home economics, academic year 1963-64 .....	20 000 00
129. Haloid Xerox, Inc., Rochester, New York: renewal of a fellowship in solid state physics, academic year 1962-63 .....	6 000 00
130. Charles F. Kettering Foundation, Dayton, Ohio: fellowship in botany .....	2 600 00
131. Illinois Foundation Seeds, Inc. (formerly Illinois Seed Dealers Association): for the W. L. Burlison Distinguished Fellowship in agronomy, academic years 1962-63 and 1963-64 .....	7 500 00
132. Inland Steel-Ryerson Foundation, Inc., Chicago: Fellowships in architectural engineering .....	1 000 00
Renewal of fellowships in mining and metallurgical engineering, academic year 1962-63 .....	6 000 00
133. International Business Machines Corporation, Yorktown Heights, New York: fellowships in mathematics and social sciences (economics) .....	\$ 2 000 00
134. Jones and Laughlin Steel Corporation, Pittsburgh, Pennsylvania: fellowship in metallurgical engineering, academic year 1962-63 .....	4 000 00
135. Eli Lilly and Company, Indianapolis, Indiana: fellowship in organic chemistry .....	5 110 00
	3 200 00
	3 000 00

136. Lubrizol Corporation, Cleveland, Ohio: renewal of a fellowship in chemistry, academic year 1963-64.....	3 000 00
137. Magnavox Company, Fort Wayne, Indiana: for the Magnavox Fellowship in music and engineering.....	4 325 00
138. Minnesota Mining and Manufacturing Company, St. Paul, Minnesota: renewal of three fellowships in chemistry, chemical engineering, and physics, academic year 1963-64.....	9 000 00
139. Monsanto Chemical Company, St. Louis, Missouri: three fellowships in chemistry, chemical engineering, and geology	8 000 00
140. Motorola, Inc., Chicago: renewal of the Paul V. Galvin Fellowship in electrical engineering, academic years 1963-64 and 1964-65 .....	2 500 00
141. National Lead Company.....	4 800 00
Baroid Division, Houston, Texas: renewal of a fellowship in geology, academic year 1963-64...\$	2 800 00
Titanium Alloy Manufacturing Division, Niagara Falls, New York: renewal of a fellowship in ceramic engineering, academic year 1963-64.....	2 000 00
142. Carl M. Noble: fellowship.....	100 00
143. Edward Orton Jr. Ceramic Foundation, Columbus, Ohio: fellowships in ceramic engineering, academic year 1962-63..	3 800 00
144. Owens-Corning Fiberglas Corporation, Toledo, Ohio: fellowship in ceramic engineering, academic year 1962-63.....	2 500 00
145. Parke, Davis, and Company, Ann Arbor, Michigan: renewal of a fellowship in biochemistry, academic year 1962-63.....	3 100 00
146. Phillips Petroleum Company, Bartlesville, Oklahoma: fellowship in the Department of Chemistry and Chemical Engineering, academic year 1962-63.....	3 000 00
147. Procter and Gamble Company, Cincinnati, Ohio: renewal of fellowships in chemical engineering (\$2,920) and chemistry (\$3,570), academic year 1963-64.....	6 490 00
148. Pure Milk Association, Chicago: renewal of Lauterback Memorial Fellowship in the Department of Food Science, academic year 1962-63.....	1 500 00
149. Radio Corporation of America, Princeton, New Jersey: fellowship in electrical engineering, academic year 1962-63..	4 050 00
150. Raymond Concrete Pile Company, New York, New York: renewal of the Raymond Concrete Pile Company Fellowship, memorial to A. E. Cummings, academic year 1962-63.....	2 100 00
151. Raytheon Company, Waltham, Massachusetts: renewal of a fellowship in physics, academic year 1962-63.....	3 150 00
152. Roche Anniversary Foundation, Montclair, New Jersey: for the Hoffman-La Roche Fellowship in organic chemistry, 1963-64.....	6 000 00
153. Rohm and Haas Company, Philadelphia, Pennsylvania: fellowship in the Department of Chemistry and Chemical Engineering, academic year 1962-63.....	3 000 00
154. Shell Companies Foundation, Inc., New York, New York: fellowship in chemical engineering, academic year 1963-64..	2 920 00
155. Shell Fellowship Committee of the Shell Companies Foundation, Inc.: renewal of a fellowship in geology, academic year 1962-63 .....	3 180 00
156. Alfred P. Sloan Foundation, New York, New York: fellowships for first-year graduate students in engineering, academic year 1962-63.....	9 390 00
157. Smith, Kline, and French Laboratories, Philadelphia, Pennsylvania: postdoctoral fellowship in biochemistry.....	20 000 00
158. Society of Sigma Xi, Illinois Chapter: fellowship.....	500 00
159. Sprague Electric Company, North Adams, Massachusetts: renewal of a fellowship in solid state physics, academic year 1962-63.....	3 500 00
160. Standard Oil Company of California, San Francisco, California: renewal of a fellowship in chemistry, academic year 1962-63.....	2 670 00

161. Sun Oil Company, Philadelphia, Pennsylvania.....	8 245 00
Fellowship in chemistry, academic year 1962-63..\$	4 170 00
Fellowship in chemical engineering, academic year 1962-63 .....	4 075 00
162. Television Shares Management Corporation, Chicago: fellowship in electrical engineering to promote the development of new teachers in electronics, academic year 1962-63.....	2 000 00
163. Texas Instruments, Incorporated, Dallas, Texas: fellowship in physics, academic year 1962-63.....	2 666 00
164. Toni Company, Chicago: Gillette-Toni Fellowship, academic year 1962-63 .....	4 000 00
165. Union Carbide Corporation and its subsidiary divisions.....	17 190 00
Union Carbide Metals Company, Niagara Falls, New York: renewal of a fellowship in the Department of Mining, Metallurgy, and Petroleum Engineering, academic year 1962-63.....\$	3 380 00
Parma Research Laboratory, Cleveland, Ohio: renewal of a fellowship in physics, academic years 1962-63 and 1963-64.....	6 720 00
Union Carbide Plastics Company, Bound Brook, New Jersey: renewal of a fellowship in chemistry, academic year 1962-63.....	3 370 00
Visking Company, Chicago: fellowship in chemical engineering, academic year 1962-63.....	3 720 00
166. United States Rubber Company Foundation, New York, New York: fellowship, academic year 1962-63.....	3 020 00
167. United States Steel Foundation, Inc., New York, New York: fellowship in physics, academic year 1963-64.....	2 000 00
168. Various donors: fellowships in the Jane Addams Graduate School of Social Work.....	15 680 00
Chicago Community Trust.....\$	3 100 00
Hull House Association.....	4 000 00
Wieboldt Foundation.....	3 580 00
Woods Charitable Fund, Inc.....	5 000 00
169. Victor Chemical Company, Stauffer Chemical Division, Chicago: August Kochs Fellowship in chemistry, academic years 1962-63 and 1963-64.....	6 000 00
170. Woodrow Wilson National Fellowship Foundation, Princeton, New Jersey: fellowships.....	16 000 00
171. Zeta Phi Eta: fellowship in speech.....	476 90
172. Abbott Laboratories, North Chicago.....	8 900 00
To the Department of Animal Science for studies on the influence of arsenicals on reproductive performance .....	\$ 1 500 00
To the Radiocarbon Laboratory for research....	2 400 00
To the Department of Veterinary Pathology and Hygiene for a study of the activation of shipping fever.....	5 000 00
173. Alcoa Foundation, Pittsburgh, Pennsylvania.....	4 000 00
To the College of Fine and Applied Arts for an industrial design program.....\$	1 000 00
To the Department of Agricultural Engineering for studies on farm structures.....	3 000 00
174. American Bird Products, Inc., Chicago: to the Department of Veterinary Pathology and Hygiene for a study of epidemiology and control of psittacosis and psittacoid diseases .....	3 500 00
175. American Cancer Society, Inc., New York, New York: to the Department of Microbiology for a study of virus growth and genetics .....	25 236 00
176. American Chemical Society, Washington, D.C.....	80 950 00
To the Department of Chemistry and Chemical Engineering for studies of:	
Flow field packed bed.....\$	5 400 00
Catalysis in a stirred reactor.....	6 522 00

Surface phenomena in phase contacting.....	9 652 00	
Mechanisms of radical reactions.....	6 470 00	
Nuclear magnetic and electron spin resonance studies of hydrocarbons.....	12 000 00	
Ferrocene derivatives .....	8 000 00	
Petroleum.....	20 000 00	
Mechanisms of organic reactions.....	6 574 00	
Vacuum ultraviolet photochemistry of hydrocarbons.....	6 332 00	
To the Department of Geology for petrographic investigations of silurian reefs.....	7 304 00	
177. American Cyanamid Company.....		6 000 00
To the Department of Agronomy for studies of field experiments with phosphoric acid.....	\$ 2 000 00	
To the Department of Chemistry and Chemical Engineering for antibiotic studies.....	2 000 00	
To the Health Service for research.....	1 000 00	
To the State Natural History Survey for a study on systemic insecticides for control of insects on wheat.....	1 000 00	
178. American Dairy Association, Chicago: to the Department of Food Science.....		20 500 00
For an investigation of the effects of butterfat and corn oil in relation to the development of atherosclerosis.....	\$ 8 500 00	
For a study of the relationship between dietary fat and composition of blood lipids.....	12 000 00	
179. American Gas Association, New York, New York: to the Department of Mining, Metallurgy, and Petroleum Engineering for studies of the effects of alternating current on the corrosion of steels buried in soils.....		22 000 00
180. American Heart Association, New York, New York: to the Department of Food Science for studies of B-lipoprotein liability of atherosclerosis.....		9 900 00
181. American Iron and Steel Institute, New York, New York: to the Department of Theoretical and Applied Mechanics....		17 000 00
Studies of welded wire fabric for reinforced concrete.....	\$ 10 000 00	
Studies of existing research on control of cracking in concrete reinforced with high strength steel bars .....	7 000 00	
182. American Oil Company, Whiting, Indiana: to the Department of Agricultural Engineering for a study of accelerated drying of farm grains.....		15 000 00
183. American Physiological Society, Washington, D.C.: to the Department of Physiology and Biophysics, an unrestricted research grant .....		1 000 00
184. American Society of Heating, Refrigeration, and Air Conditioning Engineers, Inc., New York, New York: to the Department of Mechanical and Industrial Engineering.....		20 000 00
Studies of selection and application of air measuring devices .....	\$ 7 500 00	
Studies of safety with high temperature water systems.....	7 500 00	
Studies of steam and condensate flow in pipes... ..	5 000 00	
185. American Steel and Wire Company, Cleveland, Ohio: to the Department of Theoretical and Applied Mechanics for study of behavior of deformed wire fabric.....		4 200 00
186. Amsted Industries, Inc., Chicago: to the Department of Ceramic Engineering for a study of steel casting refractories .....		39 000 00
187. Association of American Railroads, Washington, D.C.: to the Department of Theoretical and Applied Mechanics for studies of causes of failures in railroad rails in service together with their prevention.....		19 500 00

188. Avnet-Shaw Corporation: gift of 500 shares stock in Avnet Electronics for research in ceramic engineering.....	10 211 91
189. Battle Creek Equipment Company: to the Department of Physical Education for Men for studies of physical fitness measures.....	600 00
190. Bear Hybrid Corn Company, Inc., Decatur: to the Department of Agronomy for corn research.....	2 500 00
191. Bell Telephone Laboratories: to the Department of Electrical Engineering for support of research programs of a Bell Telephone Laboratories employee and a fellow in electrical engineering .....	2 000 00
192. Bendix Aviation Corporation, South Bend, Indiana: to the Department of Ceramic Engineering for a study of thermal diffusivity and elastic moduli of ceramic-metal combinations at elevated temperatures.....	28 656 25
193. Carnegie Corporation of New York, New York: to University High School for development of a new elementary school arithmetic curriculum .....	31 250 00
194. Case and Company, Inc.: to the Department of Mechanical and Industrial Engineering for development of standard time valve .....	1 750 00
195. Caterpillar Tractor Company, East Peoria: to the Department of Civil Engineering for analytical and experimental studies of behavior of U-shaped structural members subjected to torsion and flexure.....	750 00
196. Shemagro Corporation, Kansas City, Missouri: to the Department of Agricultural Engineering for studies of application of soil pesticides.....	800 00
197. Chicago Bridge and Iron Foundation, Hinsdale: research assistantship in civil engineering, 1962-63.....	3 500 00
198. Commercial Solvents Corporation, Terre Haute, Indiana: to the Department of Animal Science for a cooperative study on vitamins and growth factors in swine nutrition.....	3 000 00
199. Corn Industries Research Foundation, Inc., Washington, D.C.: to the Department of Home Economics for studies on the behavior of various starches in food products.....	6 500 00
200. Crop-Hail Insurance Actuarial Association, Urbana: for a study by the State Water Survey of factors producing hailstorms in Illinois.....	6 000 00
201. Dawe's Laboratories, Inc., Chicago: to the Department of Animal Science for a study on the role of amino acids in poultry nutrition .....	1 000 00
202. John Deere Planter Works, Moline: to the Department of Agronomy for studies on corn orientation.....	500 00
203. Diamond Alkali Company, Cleveland, Ohio: to the Department of Plant Pathology for studies on fruit fungicides....	750 00
204. Dow Chemical Company, Midland, Michigan: grant to the Department of Chemistry and Chemical Engineering to accompany fellowships, academic year 1963-64.....	500 00
205. E. I. du Pont de Nemours and Company, Inc., Wilmington, Delaware.....	34 000 00
To the Department of Agronomy for studies on weed control .....	\$ 1 000 00
To the Health Service for research on antiviral influenza .....	8 000 00
Grants-in-aid for fundamental research in:	
Chemistry .....	15 000 00
Chemical Engineering .....	5 000 00
Physics.....	5 000 00
206. Edison Electric Institute: to the Small Homes Council-Building Research Council for a study of electric heating...	39 500 00
207. Engineering Foundation, United Engineering Trustees, Inc.: to the Department of Civil Engineering for studies of structural joints .....	32 500 00

208.	Esso Research and Engineering Company, Linden, New Jersey: grant-in-aid to the Department of Chemistry and Chemical Engineering .....	3 500 00
209.	F. S. Services, Inc., formerly Illinois Farm Supply Company, Bloomington.....	7 400 00
	To the Department of Agricultural Engineering for a study of improvement of farm tractor maintenance.....	\$ 5 000 00
	To the Department of Animal Science for swine, poultry, and nutrition research.....	1 800 00
	To the Department of Dairy Science for studies on dairy cattle feeding.....	600 00
210.	Ford Foundation, New York, New York.....	169 500 00
	To the Office of Community Development for studies to help define the University's role in meeting urban problems and to develop a training program for service to Illinois' rapidly expanding urbanizing communities (a partial payment of a grant of \$125,000.00).....	\$55 000 00
	To the Bureau of Economic and Business Research for a workshop on research methods for directors of such bureaus.....	22 000 00
	To the Institute of Labor and Industrial Relations for a research and training program in cooperation with the Institute of Management and Labor Studies at Keio University, Tokyo, Japan (a partial payment of a grant of \$350,000.00 to be paid over a five-year period).....	70 000 00
	To the Department of Sociology for a research award for work in the systematic development of new concepts and practices of delinquency prevention.....	2 500 00
	To the University of Illinois Press to stimulate scholarly publications in the humanities and social sciences (a partial payment of a grant of \$40,000.00).....	20 000 00
211.	Ford Motor Company, Dearborn, Michigan.....	14 000 00
	To the Department of Mechanical and Industrial Engineering for development of laboratories.....	\$10 000 00
	To the Department of Agronomy for research on ecological crop studies.....	2 000 00
	To the Department of Agronomy for research on soybean cytogenetics.....	2 000 00
212.	Foundry Educational Foundation: to the Department of Mechanical and Industrial Engineering for research.....	250 00
213.	Food Machinery and Chemical Corporation, Middleport, New York: to the Department of Plant Pathology for studies on fungicides .....	1 000 00
214.	Geigy Chemical Corporation: to the Department of Veterinary Pathology and Hygiene for a study of canine dermatitis .....	160 00
215.	General Electric Foundation, Ossining, New York: graduate research and study grant in mathematics.....	5 000 00
216.	General Motors Corporation, LaGrange: to the Department of Electrical Engineering for support of research activities of a General Motors Fellow.....	750 00
217.	German Academic Exchange Service: to the Department of Psychology for studies of motivation.....	596 56
218.	Fred C. Gloeckner Foundation, Inc., New York, New York: to the Department of Horticulture for studies in floriculture .....	3 000 00
219.	W. R. Grace and Company, Baltimore, Maryland: to the Department of Animal Science for a cooperative study on non-protein nitrogen in sheep nutrition.....	2 500 00
220.	Goodyear Aircraft Corporation, Akron, Ohio: to the Department of Ceramic Engineering for research.....	12 82

221. Graham Foundation for Advanced Studies in the Fine Arts, Chicago: to the Department of Architecture for the development of the lake front in Chicago.....	1 000 00
222. Griffin Wheel Company, Chicago: to the Department of Theoretical and Applied Mechanics for studies of improvement of cast steel railway car wheels.....	13 489 29
223. Haloid Xerox Corporation: to the Department of Electrical Engineering for research in electrostatics and small particle physics.....	5 000 00
224. The Horseradish Growers of East St. Louis: to the Department of Horticulture for studies on horseradish.....	500 00
225. Illinois Agricultural Association, Bloomington: to the Department of Agricultural Economics for studies on economic aspects of changes in the market structure of the dairy industry in Illinois.....	500 00
226. Illinois Agricultural Association, through Country Life Insurance Company and Country Mutual Insurance Company, subsidiaries of the Association: to the Department of Marketing for a class study to provide students with realistic experience in planning and conducting a market research study.....	700 00
227. Illinois Archaeological Survey: to the Department of Anthropology for the highway salvage program.....	730 20
228. Illinois Association of Insurance Agents: to the Bureau of Business Management for marketing studies.....	2 000 00
229. Illinois Council on Education in Politics: to the Department of Political Science for student research.....	175 00
230. Illinois Farm Electrification Council: to the College of Agriculture for a study of rural electrification.....	16 890 00
Association of Illinois Electric Cooperatives, Springfield.....	\$ 3 500 00
Central Illinois Electric and Gas Company, Rockford.....	425 00
Central Illinois Light Company, Peoria.....	550 00
Central Illinois Public Service Company, Springfield.....	1 250 00
Chicago 4-H Association, Chicago.....	5 000 00
Commonwealth Edison Company, Chicago.....	3 500 00
Illinois Power Company, Decatur.....	2 450 00
Interstate Power Company, Savana.....	52 00
Iowa-Illinois Gas and Electric Company, Chicago.....	60 00
Mount Carmel Public Utility, Mount Carmel....	60 00
Union Electric Company, St. Louis, Missouri....	43 00
231. Illinois Foundation Seeds, Inc.....	10 000 00
To the Department of Agronomy for corn research projects.....	\$ 7 500 00
To the Department of Plant Pathology for corn research projects.....	2 500 00
232. Illinois Heart Association, Springfield: to the Department of Food Science for studies of the relationship of dietary components to cholesterol metabolism.....	9 926 00
233. Illinois Turfgrass Foundation, Inc., Oak Park: to the Department of Plant Pathology for studies on turf grass research.....	1 400 00
234. Institute of Boiler and Radiator Manufacturers, New York, New York: to the Department of Mechanical and Industrial Engineering for a study of steam and water heating.....	33 700 00
235. Mead Johnson Research Center, Evansville, Indiana: to the Department of Physiology and Biophysics for a clinical study of pharmacological depression of eccrine sweating....	3 813 00
236. Kretschmer Corporation, Carrollton, Michigan: to the Department of Physical Education for Men for a study of the relative effects of wheat germ oil on physical performance tests.....	2 500 00

237. Laird Norton Company: to the Department of Economics for a history project.....	32 000 00
238. Eli Lilly and Company, Indianapolis, Indiana.....	42 680 00
To the Health Service for a study on the use of Haldrone in infectious mononucleosis.....\$	350 00
To the Department of Animal Science for studies toward controlling ovulation time with the aid of orally active steroids.....	2 330 00
To the Department of Economics for the Committee for the Study of Individual Freedom....	40 000 00
239. Lumber Dealers Research Council, Washington, D.C.: to the Small Homes Council-Building Research Council for a three-part component study and for research on sectionalized houses .....	3 312 50
240. Magnavox Company, Fort Wayne, Indiana: to the School of Music and the Department of Electrical Engineering for construction of equipment to be used in the study of electrically-generated sounds .....	5 675 00
241. Merck and Company, Inc., Rahway, New Jersey: to the Department of Animal Science for a study of growth stimulants for swine.....	3 000 00
242. Merck, Sharp, and Dohme Research Laboratories, Rahway, New Jersey: to the Department of Animal Science for studies on animal nutrition.....	2 000 00
243. Midwest Agricultural Limestone Institute, Kankakee: to the Department of Agronomy for studies on soil management research.....	500 00
244. Mrs. C. Philip Miller: to add to the Simmsissippi Forest Trust Fund in support of forestry research.....	3 098 96
245. Monsanto Chemical Company, St. Louis, Missouri.....	3 400 00
To the Department of Agronomy for studies on the herbicidal action of chemical compounds....\$	2 500 00
To the Department of Food Science for studies on phosphates in milk.....	900 00
246. Moorman Manufacturing Company, Quincy: to the Department of Animal Science for.....	5 200 00
A study on nutritional quality of pig starter rations .....	\$ 2 600 00
A study on poultry nutrition.....	2 600 00
247. Mueller Farms Sod Nursery, Ontarioville: to the Department of Plant Pathology for studies on turf research.....	400 00
248. National Academy of Sciences, Washington, D.C.....	17 692 00
To the Department of Physics for research...\$	15 692 00
To the Traffic Safety Center for studies of motor vehicle registration and titling practices..	2 000 00
249. National Association of Horseradish Packers, Eau Claire, Wisconsin: to the Department of Horticulture for studies on horseradish .....	250 00
250. National Council of Legal Clinics: to the College of Law for studies of professional responsibility.....	12 600 00
251. National Electronics Conference: to the Department of Electrical Engineering for research.....	380 00
252. National Hog Cholera Fund: to the Department of Veterinary Pathology and Hygiene for hog cholera research....	1 138 99
253. National Lead Company, Titanium Division, South Amboy, New Jersey: to the Department of Chemistry and Chemical Engineering for research in the field of titanium chemistry..	3 250 00
254. National Lime Association, Washington, D.C.: to the Department of Geology.....	16 793 02
Studies of fundamental properties of calcium...\$	9 048 60
Study by x-ray diffraction and other methods the reactions in the clay mineral and other mineral components of various types of soils when treated with lime for the purpose of stabilization for road surfaces .....	7 744 42



255. National Livestock and Meat Board, Chicago: to the Department of Food Science for studies of biological utilization of fatty acid isomers.....	8 500 00
256. National Safety Council: to the Traffic Safety Center for studies of motor vehicle laws at railroad grade crossings...	1 000 00
257. National Soybean Processors Association, Chicago: to the Department of Agronomy for a study on soil fertility requirements of different genetic lines of soybeans.....	7 000 00
258. National Steel Corporation, Weirton, West Virginia: to the Department of Civil Engineering for evaluation of fatigue behavior of welded joints in N-A-Xtra high strength steels.....	19 000 00
259. National Warm Air Heating and Air Conditioning Association: to the Department of Mechanical and Industrial Engineering for a study of heating, ventilating, and air conditioning as related to warm air furnace heating.....	21 152 00
260. New Holland Machine Company, New Holland, Pennsylvania: to the Department of Agricultural Engineering for a study on rural electrification.....	2 000 00
261. Niagara Chemical Division, FMC Corporation, Middleport, New York: to the Department of Plant Pathology for studies on fungicides.....	575 00
262. Northern Illinois Breeding Co-op, Hampshire: to the Department of Dairy Science for studies on artificial breeding..	8 587 89
263. Northrup-King and Company, Minneapolis, Minnesota: to the Department of Plant Pathology for studies on corn leaf blight.....	300 00
264. Olin Mathieson Chemical Corporation, Squibb Division, New Brunswick, New Jersey: to the Department of Plant Pathology for studies on the control of fruit diseases.....	750 00
265. Chas. Pfizer and Company, Inc., Brooklyn, New York: to the Department of Animal Science for a study on swine feeding.....	2 500 00
266. Pillsbury Company: to the Department of Food Science for studies on cake mixes.....	5 900 00
267. Portland Cement Association, Chicago: to the Department of Civil Engineering for study of the strength and deformation characteristics of reinforced concrete beam-column connections subjected to axial and transverse loads.....	10 000 00
268. Prairie Farm Dairy, Inc., Carlinville: to the Department of Agricultural Economics for studies on economic aspects of changes in market structure of the dairy industry in Illinois	1 000 00
269. Pure Milk Association, Chicago: to the Department of Agricultural Economics for studies on the southern Illinois federal milk marketing order.....	350 00
270. Reinforced Concrete Research Council: to the Department of Civil Engineering for multiple panel reinforced concrete floor slabs.....	8 000 00
271. Resources for the Future, Inc., Washington, D.C.: to the Department of Agricultural Economics for a study of economic aspects of the pesticide problem in the United States	18 750 00
272. Rockefeller Foundation, New York, New York: to the Department of Philosophy for support of research on the biography of Charles Sanders Peirce.....	2 050 00
273. Rohm and Haas Company, Philadelphia, Pennsylvania: to the Department of Plant Pathology.....	1 050 00
For studies on fungicides.....	\$ 750 00
For studies on turf disease.....	300 00
274. St. Regis Paper Company: to the Department of Art for advertising design studies.....	500 00
275. Shell Chemical Corporation, Chicago: to the State Natural History Survey for a general evaluation of series of chlorinated hydrocarbon compounds as insecticides.....	2 500 00

276. Shell Development Company, Modesto, California: to the Department of Plant Pathology for studies of foliage fungicide evaluation under Illinois conditions.....	750 00
277. Alfred P. Sloan Foundation, Inc., New York, New York... To the Department of Chemistry and Chemical Engineering for research.....\$ 32 200 00	69 000 00
To the Department of Physics for research.....	36 800 00
278. A. O. Smith Harvestore Products, Inc., Kankakee: to the Department of Animal Science for studies on carcass evaluation.....	3 775 00
279. Society for the Investigation of Human Ecology, Forest Hills, New York: to the Institute of Communications Research for a study of the cross cultural generality of meaning systems.....	49 076 36
280. Socony Mobil Oil Company, Paulsboro, New Jersey: to the Department of Chemistry and Chemical Engineering for research in the field of metal coordination complexes.....	4 000 00
281. Sod Growers Association of Illinois, Urbana: to the Department of Plant Pathology for a study on the diseases of turf and lawn grass.....	1 850 00
282. Soft Phosphate Research Institute, Inc.: to the Department of Animal Science for a study of factors affecting phosphate utilization.....	4 000 00
283. Sonic Research Foundation, Chicago: to the Department of Electrical Engineering for acoustics research.....	1 000 00
284. State University of Iowa: to the Department of Electrical Engineering for an ultrasonic research project.....	7 000 00
285. Tee-Pak Foundation: to the Department of Food Science for a study on various types of films as retardants to deterioration of meat and meat products.....	4 356 40
286. Telecomputing Corporation, Los Angeles, California: to the Department of Ceramic Engineering for a study of metal pyrophosphates.....	2 000 00
287. Truax-Traer Coal Company: to the Department of Agronomy for agronomic evaluations of a coal-like substance known as Leonardite.....	3 000 00
288. Union Carbide Corporation.....	750 00
To the Department of Chemistry and Chemical Engineering for research.....\$ 500 00	
To the Department of Mechanical and Industrial Engineering for research.....	250 00
289. United Cerebral Palsy Research and Educational Foundation, Inc., New York, New York: to the Institute for Research on Exceptional Children for studies on the diagnosis and remediation of psycholinguistic disabilities.....	8 088 50
290. United States Industrial Chemical Company, Tuscola: to the Department of Agronomy for studies on soils.....	2 825 00
291. United States Steel Corporation, Pittsburgh, Pennsylvania: to the Department of Agricultural Economics for a study of the determination, tabulation, and critical analysis of existing barriers to the marketing of sterile concentrated milk.....	10 000 00
292. Universal Oil Products Company, Des Plaines: to the Department of Chemistry and Chemical Engineering for fundamental research.....	500 00
293. University of Illinois Foundation: to the Illinois Archaeological Survey.....	450 00
294. University of Illinois Foundation.....	111 40
To the Department of Marketing for research...\$ 11 40	
To the Department of Physical Education for Men for studies of exercise therapy.....	100 00
295. University of Minnesota: to the Department of Mathematics for study of mathematics for business (this grant is from a Ford Foundation grant to the University of Minnesota)..	2 500 00

296.	Upjohn Company, Kalamazoo, Michigan.....	11 530 00
	To the Department of Animal Science for studies on progestogens .....	\$ 2 530 00
	To the Department of Agricultural Engineering for studies on the development of equipment for the more effective application of soil fungicides .....	1 000 00
	To the Department of Plant Pathology for micro- biological studies .....	8 000 00
297.	Various donors: to the College of Agriculture for research in rural electrification.....	3 500 00
298.	Various donors: to the Department of Civil Engineering for studies of lime pozzolan mixtures and lime stabilization of soils.....	20 350 00
	Burrill Construction and Supply.....	\$ 1 000 00
	Commonwealth Edison Company.....	5 000 00
	G. and W. H. Corson.....	3 125 00
	National Lime Association.....	7 550 00
	Poz-O-Pac Company of America.....	250 00
	Pozzolan Products Company, Inc.....	3 425 00
	Connecticut Light and Power Company.....	1 000 00
299.	Various donors: to the Department of Food Science for the Lipid Symposium to accompany the dedication of the Burn- sides Research Laboratory.....	4 400 00
	American Meat Institute, Chicago.....	\$ 500 00
	Anderson, Clayton and Company Foods Division, Dallas, Texas .....	100 00
	Armour and Company, Oakbrook.....	500 00
	Campbell Soup Company, Camden, New Jersey..	500 00
	Glidden Company, Cleveland, Ohio.....	200 00
	Hunt Foods and Industries, Inc.....	100 00
	Illinois Heart Association, Springfield.....	500 00
	Mead Johnson and Company, Evansville, Indiana	300 00
	Monsanto Chemical Company, St. Louis, Missouri	100 00
	Procter and Gamble Company, Cleveland, Ohio..	500 00
	Special Dairy Industry Board, Washington, D.C.	1 000 00
	Wilson and Company, Chicago.....	100 00
300.	Various donors: to the University High School to continue a study on non-verbal awareness.....	2 833 75
	Gertrude Hendrix, Urbana.....	\$ 1 800 00
	William L. Hendrix, Milford, New Hampshire..	400 00
	Institute of Intercultural Studies, Inc., New York, New York.....	300 00
	David A. Page.....	33 75
	Melvin Pfaelzer .....	300 00
301.	Velsicol Chemical Corporation, Chicago.....	2 400 00
	To the State Natural History Survey for a study of heptachlor epoxide residues in meat and milk..	\$ 2 000 00
	To the Department of Zoology for research on the toxicology of insecticides.....	400 00
302.	VioBin Corporation, Monticello.....	2 700 00
	To the Department of Animal Science for a co- operative study of fishmeal and fishmeal products in swine nutrition.....	\$ 1 500 00
	To the Department of Physical Education for Men for a study of the value of wheat germ oil in physical fitness program.....	1 200 00
303.	Washington University, St. Louis, Missouri: from a Ford Foundation grant to the Institute of Labor and Industrial Relations for a study of public and private job placement of middle aged and older workers.....	17 702 44
304.	Welding Research Council, United Engineering Trustees, Inc., New York, New York.....	17 500 00
	To the Department of Civil Engineering for an investigation of welding procedure.....	\$ 11 500 00

To the Department of Physics for studies of the corrosion and passivity of metal.....		6 000 00
305. Whirlpool Corporation, Benton Harbor, Michigan: to the Department of Food Science for studies on the storage of leafy vegetables using different gases, relative humidity and temperature, and variables.....		2 000 00
306. Wisconsin-Minnesota Cooperative Bull Stud Group, Shawano, Wisconsin: to the Department of Dairy Science for a study of the effect of aging on the nuclear material of bovine spermatozoa .....		3 335 00
307. Yale University: to the Department of Psychology for research in psychiatry.....		15 580 00
<i>Total, Funds for Graduate Fellowships and Research..</i>		<i>\$ 1 723 133 68</i>

*Funds for Educational, Research, Cultural, and Recreational Purposes Not Otherwise Classified*

308. American Cyanamid Company, Wayne, New Jersey: for faculty support grants in the Department of Chemistry and Chemical Engineering for 1962 and 1963 (\$3,000 each)..\$	6 000 00
309. Abbott Laboratories, North Chicago: to the Department of Veterinary Pathology and Hygiene to help defray the costs of preparing a motion picture on leptospirosis.....	1 500 00
310. Alpern Foundation, Inc.: to the Krannert Art Museum for a painting .....	1 500 00
311. American Mathematical Society, Providence, Rhode Island: to the Department of Mathematics for support of the Journal of Mathematics .....	1 350 00
312. American Psychological Association: to the Institute of Communications Research for support of a faculty and research assistant .....	4 225 00
313. American Society for Engineering Education: for Junior Academy of Science exposition fund.....	1 00
314. Anonymous donor: to the Krannert Art Museum for purchase of an art object.....	150 00
315. Babcock and Wilcox Company, New York, New York: to the College of Engineering an unrestricted grant for engineering and technical education.....	1 800 00
316. C. E. Brehm, Mt. Vernon: to the Department of Animal Science for purchase of three polled heifers.....	6 500 00
317. California Company, New Orleans, Louisiana: to the Department of Geology, an unrestricted grant.....	500 00
318. Chemstrand Company, New York, New York: a grant-in-aid to the Department of Chemistry and Chemical Engineering.....	500 00
319. Committee on Institutional Cooperation: to the Department of Psychology for a conference.....	940 00
320. Continental Can Company, New York, New York: to the College of Engineering to develop closer student-faculty relations.....	500 00
321. Mrs. Hugh E. Cooper, Jr., Peoria: an addition to the Wensel Morava Scholarship endowment.....	250 00
322. Corning Glass Works Foundation, Corning, New York: to the Department of Chemistry and Chemical Engineering, an unrestricted grant .....	1 000 00
323. Professor O. M. Dickerson, San Diego, California: to establish an endowment, the income to be used to support publications in American history by members of the Department of History or graduate students working for the degree of Doctor of Philosophy.....	48 658 50
324. Easter Seal Research Foundation: to the Institute for Research on Exceptional Children for a conference on brain impairment in children.....	3 000 00

325. Glidden Company, Cleveland, Ohio: to the Department of Chemistry and Chemical Engineering for the Glidden Lecture in Chemistry.....	500 00
326. Edward B. Haywood, Hammond Public Library: to the Library School for tel-a-story project.....	70 00
327. Illinois Foundation Future Farmers of America, Springfield: for the Public Information project for vocational agriculture including the Future Farmers of America.....	3 000 00
328. Illinois State Conference Building and Construction Trades: to the Institute of Labor and Industrial Relations for the Patrick F. Sullivan memorial library collection.....	500 00
329. Institute of Life Insurance, New York, New York: to the College of Education for a summer workshop on education in family finance.....	2 500 00
330. Jersey Production Research Company, Tulsa, Oklahoma: to the Department of Electrical Engineering, an unrestricted grant.....	1 000 00
331. Kappa Tau Alpha, national honorary society in journalism: for expenses of an annual journalism banquet (to be added to the endowment fund established for this purpose).....	65 00
332. Charles F. Kettering Foundation, Hinsdale.....	23 500 00
For the C. F. Kettering Foundation Visiting Professorship in Chemistry.....	\$ 10 000 00
To the Department of Botany for purchase of scientific instruments for the Photosynthesis Laboratory.....	13 500 00
333. Keuffel and Esser Company: to the Department of Civil Engineering, an educational grant.....	210 00
334. Mount Holyoke College: to University High School for library enrichment .....	100 00
335. Ellis L. Phillips Foundation: to the Department of Geology for teaching .....	9 075 52
336. Purdue Research Foundation, Lafayette, Indiana: to the Office of Instructional Television..... (The University of Illinois is one of twenty colleges and universities serving as resource institutions for the Midwest Program on Airborne Television instruction. The funds received are for salaries, travel, and office expense incurred in assisting the public schools in eastern Illinois to receive, use, and evaluate these experimental programs.)	9 426 75
337. Readers Digest Association, Pleasantville, New York: to the College of Journalism and Communications for the Readers Digest Research-Travel Fund to broaden the scope of student instruction by making possible allocations for travel to out-of-town areas for newspaper reporting or magazine writing experience.....	1 000 00
338. Standard Oil Company of California, San Francisco, California: to the Department of Chemistry and Chemical Engineering, an unrestricted grant.....	1 000 00
339. Sullivan Chevrolet Company, Champaign: to the Division of Rehabilitation-Education Services for expenses of disabled students participating in the national wheelchair games.....	400 00
340. Universal Oil Products Company: to the Department of Chemistry and Chemical Engineering, an unrestricted grant .....	500 00
341. University of Illinois Foundation.....	4 613 00
To the Bureau of Economic and Business Research for a publication by a retired member of the faculty.....	\$ 1 500 00
To the Department of Accountancy for publications .....	1 500 00
To the Krannert Art Museum for art exhibits..	1 563 00
To the Department of Speech and Theatre for a teaching aid.....	50 00

342. Upjohn Company: to the Department of Chemistry and Chemical Engineering, and unrestricted grant for spectrophotometer .....	2 000 00
343. Various donors: to the College of Agriculture to support the centennial symposium on protein nutrition and metabolism .....	3 250 00
Central Soya, Fort Wayne, Indiana.....\$	250 00
Hales and Hunter Company, Chicago.....	500 00
Eli Lilly and Company, Indianapolis, Indiana....	500 00
Merck and Company, Inc., Rahway, New Jersey	1 000 00
Monsanto Chemical Company, St. Louis, Missouri	1 000 00
344. Various donors: for the International Conference on Accounting Education held in October, 1962.....	11 100 00
Amsted Industries Foundation, Chicago.....\$	250 00
Arthur Andersen and Company.....	1 000 00
Anonymous donor .....	100 00
Caterpillar Tractor Company, Peoria.....	500 00
Alexander Grant and Company.....	250 00
International Harvester Foundation, Chicago....	1 000 00
Price Waterhouse Foundation, New York, New York.....	5 000 00
Touche, Ross, Bailey, and Smart, Chicago.....	500 00
United States Steel Foundation, Inc.....	2 500 00
345. Various donors: to the Department of General Engineering for the Junior Engineering Technical Society.....	9 605 00
346. Various donors: to the Department of Geography for an Atlas of Illinois Resources.....	450 00
Northern Illinois Gas Company, Bellwood.....\$	250 00
Professor Fred Foster and Mr. James A. Bier..	200 00
347. Various donors: to the Department of Mechanical and Industrial Engineering for the Air Conditioning and Refrigeration Fund .....	1 400 00
Sporlan Valve Company, St. Louis, Missouri....\$	500 00
Trane Company, LaCrosse, Wisconsin.....	400 00
Vilter Foundation, Inc., Milwaukee, Wisconsin..	500 00
348. Various donors: for the Isabel Bevier Lectureship in Home Economics.....	50 00
349. Various donors: to the James Webb Young Fund for education in advertising.....	6 50
Dimshee and Company, Publishers.....\$	1 00
Mrs. C. Dennis Schick, Urbana.....	5 50
350. Wenner-Green Foundation for Anthropological Research, Inc.: to the Institute for Communications Research to cover travel expenses in Yugoslavia, August 1-19, 1963.....	3 000 00
351. Wisconsin Free Library Commission: to the Library Research Center for survey of library reference resources in Wisconsin .....	14 298 00
<i>Total, Funds for Educational, Research, Cultural, and Recreational Purposes Not Otherwise Classified...\$</i>	<i>180 994 27</i>

#### *Educational Grants Fund*

The Board of Trustees has established this fund and has authorized the President to make assignments from it for nonrecurring educational purposes. The income is grants from foundations, business and industrial corporations to the University in recognition of the educational costs involved in accepting fellowships and scholarships, and of the service expense in administration of research grants. Contributions deposited in this fund were received from:

352. Alcoa Foundation, Pittsburgh, Pennsylvania.....\$	500 00
353. Armc0 Foundation (NSPE Scholarship).....	100 00
354. H. D. Braley.....	5 00
355. Budd Company, Detroit, Michigan.....	665 00

356. Carle C. Conway Scholarship Foundation, New York, New York.....	525 00
357. Creole Foundation, New York, New York.....	500 00
358. International Business Machines Corporation, New York, New York .....	5 000 00
359. Kennecott Copper Corporation, New York, New York.....	1 000 00
360. Owens-Corning Fiberglas Corporation, New York, New York.....	500 00
361. Owens-Illinois Glass Company, Toledo, Ohio.....	1 285 00
362. Radio Corporation of America, Princeton, New Jersey.....	100 00
363. Rockefeller Foundation, New York, New York.....	5 500 00
364. Hiram Walker and Son, Inc., Detroit, Michigan.....	700 00

The following contributions were received from sponsors of National Merit Scholarships in recognition of National Merit Scholars enrolled at the University of Illinois but were unrestricted and have been deposited in the Educational Grants Fund:

365. Glidden Company, Cleveland, Ohio.....	100 00
366. Charles F. Kettering Foundation, Hinsdale.....	100 00
367. National Distillers and Chemical Foundation, Inc., New York, New York.....	600 00
368. Northern Illinois Gas Company, Aurora.....	285 00
369. Pittsburgh Plate Glass Foundation, Pittsburgh, Pennsylvania	170 00
370. Sante Fe Foundation, Inc., Chicago.....	50 00
371. Swift and Company Foundation, Chicago.....	200 00
372. Titmus Optical Company, Inc., Petersburg, Virginia.....	100 00
<i>Total, Educational Grants.....</i>	<i>\$ 17 985 00</i>

*Contributions from County Farm and Home Bureaus*

373. To the Cooperative Extension Service in Agriculture and Home Economics for partial payment of salaries and operating expenses of farm and home advisers.....	\$ 1 050 138 58
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*Gifts for Educational and Research Buildings and for Other Facilities*

374. Ethel Burnside, Paris, Illinois: for construction of the Burnside Research Laboratory (partial payment of total gifts of \$250,000).....	\$ 25 002 63
375. University of Illinois Foundation: for architectural services on addition to Electrical Engineering Building.....	649 97
<i>Total, Gifts for Educational and Research Buildings and for Other Facilities.....</i>	<i>\$ 25 652 60</i>

*Federal Grants for Buildings and Other Facilities*

376. National Institutes of Health.....	\$ 739 372 00
Justin Smith Morrill Hall.....	\$383 864 00
Burnside Research Laboratory.....	336 600 00
Electrical Engineering Bioacoustics Laboratory..	18 908 00
377. National Science Foundation.....	909 514 00
Addition to Electrical Engineering Building....	\$ 40 470 94
Scientific Equipment Program.....	50 387 79
Purchase of Electronic Data Processing Equipment .....	700 000 00
Gaseous Electronics Laboratory.....	13 264 00
Justin Smith Morrill Hall.....	132 192 00
Animal Genetics Laboratory.....	11 508 00
Horticulture Field Laboratory Renovation.....	10 600 00
Digital Computer Laboratory.....	6 330 43 <sup>1</sup>
Zoology Laboratory .....	2 107 30 <sup>1</sup>

*Total, Federal Grants for Buildings and Other*

*Facilities .....* *\$ 1 689 357 00*

<sup>1</sup> Deduct, refund of unused funds.

*United States Government Grants and Research Contracts*

378. Advanced Research Projects Agency.....	\$	106 883 70
379. Agency for International Development.....		724 896 86
380. Air Force .....	1	788 628 34
381. Area Redevelopment Administration.....		7 000 00
382. Army Chemical Corps.....		5 695 73
383. Army Institute .....		3 340 50
384. Army Medical Corps.....		452 862 33
385. Army Ordnance .....		61 381 81
386. Army Research Office.....		203 062 61
387. Army Quartermaster Corps.....		4 031 67
388. Army Signal Corps.....	1	509 878 38
389. Army Surgeon General.....		105 376 74
390. Atomic Energy Commission.....	2	934 110 31
391. Bureau of Public Roads.....		28 937 63
392. Children's Bureau .....		24 926 00
393. Defense Atomic Support Agency.....		50 621 54
394. Department of Agriculture.....		95 213 29
395. Department of the Interior.....		2 300 00
396. Department of Labor.....		72 264 84
397. Engineering Center .....		19 141 93
398. Federal Housing Authority.....		3 125 00
399. Fifth Army .....		1 636 66
400. National Academy of Sciences.....		1 123 34
401. National Aeronautics and Space Administration.....		430 391 00
402. National Defense Education Act.....		61 599 74
403. National Institutes of Health.....		11 250 00
404. National Science Foundation.....	3	300 724 42
405. Naval Electronics Laboratory.....		68 261 18
406. Navy Bureau of Ships.....		494 766 59
407. Navy Bureau of Yards and Docks.....		5 000 00
408. Office of Education.....		777 276 07
409. Office of Civil Defense.....		36 376 69
410. Office of Naval Research.....	2	652 413 48
411. Peace Corps .....		92 914 79
412. Public Health Service.....	3	504 636 75
413. Small Business Administration.....		8 150 00 <sup>1</sup>
414. Social Security Administration.....		31 224 00
415. Tennessee Valley Authority.....		432 15
416. Vocational Rehabilitation Administration.....		122 246 96

*Total, United States Government Grants and Research Contracts.....*\$19 787 803 03

*Research and Public Service Contracts with State of Illinois Agencies*

417. Cities and Villages Municipal Problems Commission.....	\$	22 500 00
418. State Department of Agriculture.....		73 131 30
419. State Department of Conservation.....		108 829 88
420. State Department of Mental Health.....		37 727 28
421. State Department of Public Safety.....		71 797 09
422. State Department of Public Works and Buildings, Division of Highways .....		340 852 64
423. State Division of Vocational Rehabilitation.....		45 216 00
424. State Housing Board.....		5 000 00
425. State Library .....		35 000 00
426. State Public Aid Commission.....		13 000 00
427. State Superintendent of Public Instruction.....		45 997 77

*Total, Research and Public Service Contracts with State of Illinois Agencies .....*\$ 799 051 96

<sup>1</sup> Deduct, unused balance returned to government.



*Miscellaneous Gifts of Books, Equipment, and Works of Art*

428. Continental Can Company, Chicago: to the Department of Food Science:	
Carrier concentrator, pilot plant, and heat pump system; estimated value .....	\$ 25 000 00
Sharples super clarifier; estimated value.....	1 500 00
429. Mr. and Mrs. Jackson Hancock, Tuscola: to the School of Music, a harp and auxiliary equipment; estimated value....	2 200 00
430. Stanley G. Harris, Chicago: to the College of Agriculture, a shorthorn bull; estimated value.....	4 000 00
431. Hewlett-Packard Company, Palo Alto, California: to the Department of Electrical Engineering, a selection of Hewlett-Packard electronic instruments, including an RF harmonic wave analyzer with a motor drive unit; estimated value .....	1 095 00
432. Kistler Instrument Corporation, Clarence, New York: to the Department of Mechanical and Industrial Engineering, electronic pressure measuring equipment for use in Internal Combustion Engine Laboratory; estimated value.....	810 00
433. A. R. Staley: to the School of Music, a Carillon Americana, 305 bells; estimated value.....	43 835 00
434. University of Illinois Foundation:	
To the Division of Rehabilitation-Education Services: Two typewriters; estimated value.....	305 00
Thirteen Perkins braille writers with cases; estimated value To the Library, the Book of Genesis of the Gutenberg Bible; estimated value.....	1 312 12
435. Dr. Herbert S. Zim, Tavernier, Florida: to the Museum of Natural History, archaeological materials; estimated value..	15 000 00
Gifts to the Krannert Art Museum.....	203 00
436. American Academy of Arts and Letters, Childe Hassam Fund, New York, New York: a woodcut and wash print, "Death of a Poet," by Lorca; estimated value.....	36 100 00
437. Professor and Mrs. Thomas E. Benner, Urbana: a Korean celadon vase, Koryo Dynasty; estimated value.....	250 00
438. Himan Brown, New York, New York:	500 00
Painting, "Woman in Chains," by Benjamin Kopman; estimated value .....	3 500 00
Painting, "Three Figures," by Alton Pickins; estimated value .....	5 000 00
439. Herbert Chase, Chase Gallery, New York, New York: a painting, "Space Between," by Ray Prohaska; estimated value.....	1 200 00
440. Ford Foundation, New York, New York:	
Painting, "Persian Series #9," by Walter Barker; estimated value.....	1 800 00
Oil, collage, stone, canvas on plywood, "Jurassic Frieze," by Lee Gatch; estimated value.....	3 420 00
Painting, "62 Summer Series No. 5," by Kyle Morris; estimated value .....	1 800 00
Brass, "Sunaegis," by Bernard Rosenthal; estimated value..	5 000 00
Mixed media on masonite, "East of Tonapah," by Louis Siegrist; estimated value.....	1 260 00
441. Mr. and Mrs. Clayton R. Gaylord, Rockford: a painting, "The Honorable Lady Susan Poulet," by Jeremiah Davieson (1695-1745); estimated value.....	2 500 00
442. Mack Gilman, Gilman Galleries, Chicago:	
Painting, "Old Bickel Quarry," by Garfield Seibert; estimated value .....	500 00
Water color on paper, "Antigua No. 14," by Richard Wilt; estimated value .....	250 00
443. George Goldstein, Chicago: a painting, "Portrait of a Nobleman," by Jean Louis Tocque (1696-1772); estimated value..	7 000 00

444. Mr. and Mrs. Morton G. Schamberg, Highland Park: a painting, "Sienna Interior," by Arthur Osver; estimated value.....	1 600 00
445. Harry G. Sundheim, Jr., Chicago: a drawing by Wilfredo Lam; estimated value.....	400 00
446. Professor John Wesley Swanson, Champaign: a lithograph by Dostoevsky; estimated value.....	120 00
<i>Total, Miscellaneous Gifts of Books, Equipment, and Works of Art</i> .....	\$ 131 360 12
<i>Total, Colleges and Schools at Urbana-Champaign</i> .....	\$25 959 943 07

### Colleges at the Medical Center

#### *Scholarships, Prizes, and Other Financial Aids*

447. American Foundation for Pharmaceutical Education: scholarships in pharmacy.....	\$ 400 00
448. Estate of Dr. Ione Fisher Beem: for the Ione Fisher Beem Scholarship to a woman medical student (the bequest of this estate was reported to the Board of Trustees on February 20, 1963) .....	10 000 00
449. Miss Bert Berkelhamer, Chicago: for the Dr. Ralph C. Berkelhamer Scholarship award.....	100 00
450. Chicago Retail Druggists' Association: scholarship in pharmacy.....	300 00
451. Warren H. Cole Society: scholarship for freshman in medicine.....	500 00
452. College of Medicine Class of 1963: four \$100 scholarships for seniors in the College of Medicine.....	400 00
453. Gazzolo Drug and Chemical Company: scholarships for pharmacy students .....	400 00
454. Goldenrod Ice Cream Company: two undergraduate scholarships in the College of Pharmacy.....	400 00
455. Humiston-Keeling and Company, Chicago: two scholarships in the College of Pharmacy.....	400 00
456. Lag Drug Company: scholarship in the College of Pharmacy.....	300 00
457. McKesson and Robbins, Inc.: scholarships in the College of Pharmacy .....	300 00
458. Osco Drug Company, Inc.: scholarships in the College of Pharmacy, academic year 1962-63.....	800 00
459. Photo Service, Inc.: scholarship in pharmacy.....	300 00
460. Jerome D. Solomon Memorial Foundation: an endowment to establish the Jerome D. Solomon Memorial Scholarship, the income to be used for a scholarship to be awarded annually to a student in the College of Medicine.....	20 000 00
461. Paul Stratton, Chicago: scholarships in the College of Pharmacy .....	496 40
462. J. M. Thomas, Chicago: for the J. M. and E. M. Thomas Undergraduate Scholarship in Pharmacy.....	200 00
463. Walgreen Benefit Fund: for a Charles R. Walgreen Jr. Scholarship Award to a junior in the College of Pharmacy..	300 00
464. Dr. Rudolf E. Wilhelm, Detroit, an alumnus: to the Rachelle S. Yarros Fund for a scholarship in medicine.....	150 00
465. Women's Auxiliary of the University of Illinois at the Medical Center: scholarships in the Colleges of Dentistry, Medicine, Nursing, and Pharmacy.....	1 000 00
466. Women's Organization of Chicago Retail Druggists' Association: scholarship in the College of Pharmacy.....	300 00
467. Block Drug Company, Jersey City: for an award for the best essay by a senior dental student.....	200 00
468. Dr. Edward C. Wach, Associate Professor, Emeritus: for cash prizes to fourth-year students in dentistry who are successful in an annual thesis contest.....	992 19
469. American Dental Association: to the fund for Dental Education Student Loan Fund.....	1 176 00

470. Bristol Laboratories: to establish a loan fund for interns and residents in the hospitals associated with the College of Medicine .....	10 000 00
471. International College of Dentists: for student loans.....	300 00
472. Merck Company Foundation, Rahway, New Jersey: for the George W. Merck Loan Fund to provide loans for interns and residents in medicine.....	4 000 00
473. Lulu Maude Moore: for establishment of a long-term student loan fund.....	205 00
474. Organization Fund of the University of Illinois at the Medical Center, Chicago: for student loans.....	1 000 00
475. Women's Auxiliary of the University of Illinois at the Medical Center: for long-term student loans.....	2 000 00
<i>Total, Scholarships, Prizes, and Other Financial Aids.....</i>	<i>\$ 56 919 59</i>

*Funds for Fellowships and Research*

476. Evanston Drama Club, Evanston: fellowship in orthopaedic surgery.....	\$ 500 00
477. Lederle Laboratories, Pearl River, New York: two research fellowships for medical students.....	1 200 00
478. Ford Foundation, New York, New York: for fellowships for student research on reproductive biology.....	8 000 00
479. Eli Lilly and Company, Indianapolis, Indiana: fellowship in microbiology .....	6 000 00
480. Tobacco Industry Research Committee, New York, New York: fellowship .....	600 00
481. Tuberculosis Institute of Chicago and Cook County: fellowship in the Department of Medicine.....	5 000 00
482. American Cancer Society, New York, New York.....	131 907 00
To the Department of Radiology for research on therapeutic lymphangiography .....	\$ 9 380 00
To the Department of Surgery for:	
Institutional research grant.....	30 000 00
Study of cellular damage in animal and human tumors exposed in vitro and in vivo to anticancer compounds .....	22 818 00
Tumor clinic cancer registry.....	5 000 00
To the Department of Physiology for a study of the permeability of mitochondria.....	11 460 00
To the Department of Biochemistry for:	
Study of the specificity of glycolytic pathway enzymes.....	17 428 00
Study of the separation of enzymes from normal and pathological serum using cellulose ion exchangers .....	23 833 00
To the Department of Pathology for a study of immunity of mice of inbred strains to isologous tumors induced by F1 tumors.....	11 988 00
483. American Heart Association.....	6 000 00
To the College of Medicine for research in medical education .....	\$ 5 000 00
To the Department of Medicine for investigations on the kidney in health and disease.....	1 000 00
484. American Medical Association Education and Research Foundation: to the Department of Medicine for studies on pituitary gonadotrophins .....	1 000 00
485. American Rheumatism Association: to the Department of Medicine for variability studies.....	1 000 00
486. Mr. and Mrs. O. S. Boggs, Paris: to the Department of Surgery for the Bristow Cancer Research Fund.....	10 00
487. Borg-Warner Corporation, Chicago: to the Department of Chemistry for research in nuclear magnetic resonance spectroscopy.....	500 00

488. Mr. and Mrs. Joseph Brooks and Lt. Col. and Mrs. Milton Carr, San Leandro, California: to the College of Medicine for the Elizabeth Murdock Livingston Memorial Fund for studies in the prevention or cure of hepatitis.....	5 00
489. Edward Bullard, Chicago: to the Department of Surgery, in memory of his daughter, for cancer research.....	1 000 00
490. Mrs. Winifred Carpenter, Portland, Oregon: to the Department of Surgery for the Bristow Cancer Research Fund....	10 00
491. Casey Community United Fund, Casey: to the Department of Surgery for.....	4 100 00
Cancer research .....	\$ 2 050 00
Heart research .....	2 050 00
492. Chicago Dermatological Society: to the Department of Dermatology, in memory of Dr. Marcus Caro, a former member of the faculty, for research.....	15 00
493. Chicago Dysautonomia Society, Inc.: to the Department of Pharmacognosy and Pharmacology for studies of acetylcholine metabolism in dysautonomia.....	1 000 00
494. Chicago Heart Association.....	8 622 00
To the Department of Preventive Medicine for studies of biochemical, medical, and psychological parameters of the acute pressor response in hypertensive subjects .....	\$ 6 622 00
To the Department of Surgery for studies of externalization through prosthesis of pulmonary and systemic arterial circulation.....	2 000 00
495. Children's Research Foundation: to the Department of Psychiatry for research in Tay-Sachs disease.....	600 00
496. Dr. Warren H. Cole, Chicago: for a living trust for research in the College of Medicine.....	4 000 00
497. Commonwealth Foundation, New York, New York: to the College of Medicine for study and evaluation of medical education.....	64 000 00
498. John N. Crouse Dental Endowment Fund: to the Department of Dental Radiology for longitudinal studies of dental health status of young adult males.....	1 100 00
499. Deerfield Bannockburn United Fund: to the Department of Surgery for cancer research.....	750 00
500. E. I. du Pont de Nemours and Company: for studies of antiviral chemotherapy .....	17 000 00
501. Dr. Ward H. Eastman, Peoria: to the Ward Eastman and James Hurlbut Gift Fund for research in surgery.....	100 00
502. Eureka United Fund: to the Department of Surgery for heart research .....	231 25
503. Employees of the Federal Reserve Bank of Chicago: to the Department of Preventive Medicine for research in polio care.....	97 75
504. Geigy Pharmaceuticals, Yonkers, New York: to the Department of Pharmacology for a study of the action of autonomic drugs on the central nervous system.....	4 000 00
505. Bequest of Lizzie Gilman: an endowment, the income to be used for research in the field of mental illness (the bequest was reported to the Board of Trustees on May 24, 1962)...	45 244 62
506. Hoffmann-LaRoche, Inc., Nutley, New Jersey: to the Division of Anesthesiology of the Department of Surgery for support of basic research.....	7 000 00
507. Illinois Federation of Women's Clubs, Chicago: to the Department of Surgery for cancer research.....	1 000 00
508. Mead Johnson and Company: to the Department of Pediatrics for a study of prophylaxis of anemia of prematurity..	6 000 00
509. Joint Committee on Tuberculosis Medical Research: to the Department of Pediatrics for pulmonary function studies in infants with respiratory disease.....	4 250 00

510. Lederle Laboratories, Pearl River, New York: to the Department of Medicine for a study of infectious diseases and related fields	10 000 00
511. Leukemia Research Foundation, Inc.: to the Department of Biological Chemistry for a study of biosynthesis of plasma glycoproteins	5 500 00
512. Licensed Beverage Industry: to the Department of Pharmacology for studies to determine if ethyl alcohol is metabolized in the intact animal to the same "acetaldehyde-genic" compound that has been detected previously in malonate-inhibited homogenates of rat liver	1 600 00
513. Lions International Club, Norris City: to the Department of Surgery for the Norris City Cancer Research Fund	200 00
514. Markle Foundation: for the John and Mary R. Markle Scholar Award in Medical Science for research in the Departments of Medicine and Psychiatry (this is the first installment of a \$30,000 grant to be paid over a five-year period)	12 000 00
515. National Association for Mental Health: to the Department of Psychiatry for	5 050 00
Research in the synthesis and breakdown of proteins, nucleic acids in neurons and glia in culture	\$ 1 250 00
Research in schizophrenia	3 800 00
516. National Foundation, New York, New York	27 473 00
To the Department of Medicine for a study of meiotic abnormalities in mammals	\$ 20 873 00
To the Department of Pediatrics for a study of congenital defects special treatment center	6 600 00
517. Parke, Davis, and Company: to the Department of Pediatrics for cytogenetic studies in aplastic anemia	9 500 00
518. Riker Laboratories, Inc.: to the Department of Pharmacology for studies of drug induced relaxation of decerebrate rigidity	1 430 00
519. Roanoke Area United Fund, to the Department of Surgery for:	828 00
Cancer research	\$ 552 00
Heart research	276 00
520. Sandoz Pharmaceuticals, Inc., Hanover, New Jersey: to the College of Medicine	18 500 00
To the Department of Preventive Medicine for a study of hypertension and headache mechanisms	\$ 10 000 00
To the Department of Pharmacology for a study of neuropharmacology	6 000 00
To the Department of Medicine for a study of chemical mediators	2 500 00
521. Schering Corporation, Bloomfield, New Jersey: to the Department of Medicine for studies of treatment of infections caused by gram negative bacteremia	7 500 00
522. G. D. Searle and Company: to the Department of Pediatrics for growth hormone studies	6 750 00
523. Teagle Foundation, Inc., New York, New York: to the Department of Psychiatry for paralysis agitans research	8 000 00
524. United Cerebral Palsy Research and Educational Foundation	9 531 00
To the Department of Anatomy for studies of immunochemical characteristics of nerve tissue	\$ 3 656 50
To the Department of Pediatrics for studies of symptomatic hypoglycemia in the neonate, pathogenesis—late sequelae	5 875 00
525. University of Chicago: to the Department of Medical Social Work for research	8 991 10

526. University of Illinois Foundation.....	16 800 00
To the College of Dentistry for research.....\$ 1 800 00	
To the College of Medicine for research..... 15 000 00	
527. David Wilson Family, Franklin: to the Department of Surgery for studies of chemotherapy of cancer of the stomach.....	307 50
<i>Total, Funds for Fellowships and Research.....</i>	<i>\$ 481 803 72</i>

*Funds for Educational and Research Programs*

528. Abbott Laboratories, North Chicago: graduate education in pharmacology.....	\$ 2 000 00
529. American Medical Association Education and Research Foundation: reallocation by the Dean of the College of Medicine.....	48 159 74
530. Mrs. Fremont A. Chandler, New York, New York: to the Chandler Research Fund for guest lectures in the Depart- ment of Orthopaedic Surgery.....	200 00
531. Chicago Community Trust: to the William Allen Pusey Fund for purchase of dermatological books and periodicals in the Library of Medical Sciences.....	1 000 00
532. Chicago Doll Collectors Club: to purchase a reclining sleep chair for use of parents remaining overnight because their children are critically ill.....	139 00
533. Mrs. Elsie Chiz, Midlothian: to the Patient Drug Fund....	100 00
534. Commonwealth Fund: for remodeling and equipment of office for study of medical education.....	139 500 00
535. Donald G. Daus: to the College of Medicine, an unrestricted gift.....	8 00
536. Fund for Dental Education, Inc., Chicago: to the College of Dentistry for publication of the proceedings of the con- ference on the teaching of manual skills.....	2 050 00
537. Mead Johnson and Company: for the Pediatric Residents' Education Fund.....	500 00
538. W. K. Kellogg Foundation, Battle Creek, Michigan: to the College of Dentistry for a teacher-education program.....	36 000 00
539. National Foundation, Cook County Chapter: for the salary of a junior laboratory mechanic for maintaining respiratory equipment in the Rehabilitation Center of the Research and Educational Hospitals.....	4 800 00
540. National Fund for Medical Education: an instructional grant.....	49 515 00
541. Physicians and Dentists Foundation: to the Research and Educational Hospitals.....	825 00
542. South Shore Service League: for the Orthopaedic Chil- dren's Assistance Fund to provide comfort and entertain- ment to the children on orthopaedic service in the Research and Educational Hospitals.....	500 00
543. Various donors: to the Division of Services for Crippled Children.....	61 199 90
544. Various donors: to the Department of Medicine.....	1 082 65
Girls of Busey Hall, Urbana.....\$ 222 65	
Delavan Community Chest..... 360 00	
Charles Kulosky, Chicago..... 5 00	
In memory of Landon Stableford..... 495 00	
545. Various donors: to the Department of Occupational Therapy.....	340 00
Women's Auxiliary of the University of Illinois at the Medical Center.....\$ 300 00	
Mrs. Ralph E. Anderson, Chicago..... 25 00	
Mrs. Robert Shephard, Paris..... 5 00	
Illinois Federation of Women's Clubs..... 10 00	

546. Various donors: to the Department of Orthodontics.....		1 350 00
Dr. Arthur B. Lewis.....	\$ 150 00	
Dr. George D. Sturman.....	200 00	
University of Illinois Orthodontic Alumni Society.....	1 000 00	
547. Various donors: to the Department of Orthopaedic Surgery.....		3 920 00
American Limb and Orthopaedic Company, Chicago.....	\$ 10 00	
William J. DeCock, Escanaba, Michigan.....	300 00	
Kappa Alpha Theta Sorority, Chicago.....	945 00	
In memory of Cheryl Kraemer.....	48 00	
Women of the Rotary Club of Chicago.....	2 227 00	
Dr. Horace E. Turner, Chicago.....	15 00	
New York University.....	375 00	
548. Various donors: to the Department of Otolaryngology.....		2 025 00
Dr. Edward L. Chainski.....	\$ 25 00	
Dr. and Mrs. F. L. Lederer.....	2 000 00	
549. Various donors: to the Department of Pediatrics.....		1 244 10
Downers Grove United Fund, Inc.....	\$ 79 35	
Mr. and Mrs. Joseph H. Gross in memory of their son, Henry.....	1 000 00	
Dr. and Mrs. Clifford Harris, in memory of their niece, Mary Ann Karamitsos.....	25 00	
In memory of Scott Lindeman.....	62 25	
Friends of Bonnie McCarville.....	20 00	
Employees of Morrison General Electric Company.....	10 00	
J. D. Scott of the Holy Trinity Evangelical Church of Glenview.....	35 00	
Town and Country Restaurant.....		
Miss Alice Sinnott and others at the Morrison General Electric Company, in memory of Baby Stenson.....	12 50	
550. Various donors: for student aid.....		2 859 69
Dr. Lester D. Kaplin.....	\$ 50 00	
Dr. W. H. Kubacki.....	1 000 00	
Lewis Elbert Martin Memorial Fund.....	1 259 69	
College of Pharmacy Alumni Association.....	250 00	
University of Illinois Organization Fund, Medical Center.....	300 00	
551. Various donors: to the Department of Surgery.....		1 843 50
Dr. Warren H. Cole.....	\$ 25 00	
In memory of Mrs. Elizabeth Crabtree.....	60 00	
Mr. A. F. French in memory of Dr. Frank L. Meleney.....	25 00	
Mrs. Henry T. Martin in memory of Mr. Martin.....	110 00	
Friends of Joseph Miller.....	90 00	
Friends in memory of Mrs. Marilyn Napier.....	368 00	
Princeville Community Council.....	250 00	
Gilbert P. O'Connor.....	200 00	
Dr. William Requarth.....	500 00	
Veterans of Foreign Wars, Skokie Valley Post 3834.....	7 50	
In memory of Mrs. Jessie Watts.....	108 00	
Mrs. Esther Yampolsky.....	50 00	
Anonymous donor.....	50 00	
552. Watson-Gailey Eye Foundation, Bloomington: to the Department of Ophthalmology for a resident training program.....		2 000 00
553. Winesingers: to the Department of Orthopaedic Surgery for purchase of a television set.....		148 47
554. Women's Auxiliary of the University of Illinois at the Medical Center: to the Research and Educational Hospitals to help defray the expenses in connection with the Volunteer Program.....		250 00

555. E. R. Squibb and Company: to the Department of Medicine, funds for domestic and foreign travel related to studies in hematology ..... 500 00

*Total, Funds for Educational and Research Programs..\$* 364 060 05

*United States Government Grants and Research Contracts*

556. Agency for International Development.....\$ 352 128 18  
 557. Air Force ..... 9 451 44  
 558. Army Surgeon General..... 154 048 04  
 559. Atomic Energy Commission..... 27 417 00  
 560. National Science Foundation..... 44 034 85  
 561. Office of Naval Research..... 34 364 44  
 562. Public Health Service..... 2 976 812 10  
 563. Vocational Rehabilitation Administration..... 7 445 24  
 564. Various Agencies for educational grants..... 200 00

*Total, United States Government Grants and Research Contracts.....\$* 3 605 901 29

*Research and Public Service Contracts with State of Illinois Agencies*

565. Department of Mental Health.....\$ 148 116 24  
 Residency training in psychiatry.....\$ 16 116 70  
 Chromosomal abnormalities in mental retardation 7 081 53  
 The relationship of neonatal hypoglycemia to neurological damage in prematurely born infants 2 195 54  
 Relation of neural metabolism to function..... 27 638 15  
 Study of tissue culture of neurons..... 1 223 10  
 The role of proteins of the brain in normal and abnormal brain functions..... 27 921 45  
 Psychosomatic differentiation in infancy..... 65 923 42  
 Dental treatment of residents of Healy School.. 38 08  
 Refund to donor..... — 21 73

*Total, Research and Public Service Contracts with State of Illinois Agencies.....\$* 148 116 24

*Gifts of Equipment and Library Materials*

566. Anonymous donors; estimated value.....\$ 2 359 00  
 Jewelry alcohol torch.....\$ 12 00  
 Remington electric shaver..... 20 00  
 Remington roll-a-matic electric shaver..... 20 00  
 Turbo-jet dental unit..... 850 00  
 Suction apparatus facudent-densco..... 367 00  
 McKesson compressor ..... 400 00  
 Aerotor ..... 600 00  
 Universal controls ..... 50 00  
 X-ray illuminator ..... 40 00  
 567. Corn Products Company: a file, elevator-diebold super; estimated value ..... 1 500 00  
 568. Mrs. R. Henner: to the Department of Otolaryngology, a Leitz trinocular microscope; estimated value..... 1 407 00  
 569. Horder's, Inc.: a tapewriter-dymo-mite; estimated value... 60 00  
 570. Dr. L. S. King: to the Library of Medical Sciences, five books; estimated value..... 105 00  
 571. M. A. Manger: to the Allergy Clinic of the Research and Educational Hospitals, a Miconaire electrostatic filter; estimated value ..... 100 00  
 572. R. M. Metal Products Company: three welders; estimated value..... 105 00  
 573. Dr. R. C. Muerche: air conditioner; estimated value..... 300 00  
 574. Dr. W. F. Peterson: micrometer Zeiss ocular; estimated value..... 25 00  
 575. Picker X-Ray Corporation: to the Research and Educational Hospitals, a body phantom dosimeter; estimated value 500 00  
 576. Ritter Company: fifteen rotor handpieces; estimated value.. 6 600 00



577. Miss D. Swanson: three falcon transistor radios; estimated value.....	89 85
578. Western Electric Company: to the Department of Radiology, seventeen X-ray cassettes; estimated value.....	600 00
<i>Total, Gifts of Equipment and Library Materials.....</i>	<i>\$ 13 750 85</i>
<i>Total, Colleges at the Medical Center.....</i>	<i>\$ 4 670 551 74</i>

#### Colleges at the Chicago Undergraduate Division

579. Amsted Industries, Inc., Chicago: to the Foundry and Pattern Laboratory for financial aid for students interested in the foundry industry.....	\$ 250 00
580. Foundry Educational Foundation, Cleveland, Ohio: scholarships in engineering.....	250 00
<i>Total, Colleges at the Chicago Undergraduate Division</i>	<i>\$ 500 00</i>

#### Gifts to the University of Illinois Foundation

581. Envelope Fund Projects (formerly Illini Achievement Fund).....	\$ 270 418 22
582. Other Gifts for Current Purposes.....	92 503 95
583. Endowment Funds.....	642 919 04
584. Funds for Physical Plant Purposes.....	78 521 91
<i>Total, Gifts to the University of Illinois Foundation....</i>	<i>\$ 1 084 363 12</i>

#### Summary

##### Funds from Private Donors

To the University	
For Urbana-Champaign.....	\$ 3 450 731 08
For Chicago Colleges and Divisions.....	917 034 21
To the University of Illinois Foundation.....	1 084 363 12
<i>Total.....</i>	<i>\$ 5 452 128 41</i>

##### Funds from United States Government

For Urbana-Champaign (including \$233,000 from National Defense Education Act for student loan program for all campuses).....	\$21 710 160 03
For Chicago Colleges and Divisions.....	3 605 901 29
<i>Total.....</i>	<i>\$25 316 061 32</i>

##### Funds from Contracts with State of Illinois Agencies

For Urbana-Champaign.....	\$ 799 051 96
For Chicago Colleges and Divisions.....	148 116 24
<i>Total.....</i>	<i>\$ 947 168 20</i>
<i>Grand Total.....</i>	<i>\$31 715 357 93</i>

On motion of Mr. Johnston, this report was received for record.

#### CHANGE IN NAME OF ASSEMBLY HALL

President Clement read the following letter received by members of the Board of Trustees from the Governor of Illinois:

OFFICE OF THE GOVERNOR  
SPRINGFIELD

OTTO KERNER  
Governor

November 30, 1963

Honorable Howard W. Clement  
University of Illinois Board of  
Trustees  
355 Stratford Road  
Des Plaines, Illinois

DEAR MR. CLEMENT:

As a tribute to the late President Kennedy, I request that, at the next meeting of the Board of Trustees of the University of Illinois, you consider naming the new assembly hall on the Champaign campus in his honor.

It is fitting and proper that this unique and magnificent structure bear the name of John F. Kennedy, because he brought to the Presidency a love of athletics and the arts—two vital facets of our life for which the assembly hall was erected.

Sincerely,

OTTO KERNER

*Governor*

On motion of Mr. Swain, this request was referred to the Committee on Buildings and Grounds for consideration and advice to the Board.

Mr. Dilliard suggested that the Committee secure student opinion on the proposal.

#### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointment of fellow; resignations and cancellations; leaves of absence.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

ABDEL-LATIF, ATA, Research Associate in Psychiatry (Medicine), eleven months from October 1, 1963, without salary (11-7-63).

AINSWORTH, WILLIAM A., Visiting Research Associate in Electrical Engineering (C), October 21, 1963-August 31, 1964, \$8,000 a year (11-20-63).

ALBUQUERQUE, EDSON X., Instructor in Pharmacology (Medicine), ten months from November 1, 1963, without salary (12-3-63).

BAGWELL, JOHN T., JR., Research Assistant in the Digital Computer Laboratory, February 1-June 15, 1964, \$2,200, supersedes (11-15-63).

BEZKOROVAINY, ANATOLY, Assistant Professor of Biological Chemistry (Medicine), one year from September 1, 1963, without salary (12-3-63).

CENTURY, BERNARD, Assistant Professor of Biological Chemistry (Medicine), one year from September 1, 1963, without salary (12-3-63).

CHAVEZ, JOSEPH D., Associate Professor of Military Science and Head of the Department (Chicago Undergraduate Division), indefinite tenure from September 1, 1963, without salary (11-21-63).

DAHMS, ROBERT E., Clinical Instructor in Urology (Surgery) (Medicine), nine months from December 1, 1963, without salary (12-3-63).

DERBYSHIRE, ARTHUR J., Associate Professor of Speech (College of Liberal Arts and Sciences), one year from September 1, 1963, without salary; this is in addition to his appointment as Research Associate Professor of Otolaryngology (Medicine) (11-18-63).

DETERT, DAVID, Research Assistant in Electrical Engineering (C), eight months from January 1, 1964, \$4,000, supersedes (11-29-63).

DOANE, WARREN, Assistant in Radiology (Medicine), ten months from November 1, 1963, without salary (11-27-63).

EGGLETON, REGINALD C., Research Associate in Electrical Engineering (C), nine months from December 1, 1963, \$9,600 a year, supersedes (11-26-63).

FERDMAN, NADINE, Research Assistant in Chemistry, eight months from January 1, 1964, \$3433.36 (12-3-63).

FETROW, KENNETH O., Clinical Instructor in Orthopaedic Surgery (Medicine), one year from September 1, 1963, without salary (12-3-63).

FLEITES, ALBERTO L., Assistant in Anesthesiology (Surgery) (Medicine), November 5, 1963-June 30, 1964, without salary (11-27-63).

FRANKEL, MARVIN, Professor of Economics, indefinite tenure from September 1, 1963, without salary; this is in addition to his appointment as Research Professor in the Bureau of Economic and Business Research, on ½ time, and Associate Dean of the Graduate College, on ½ time (11-18-63).

GILLETTE, HOWARD E., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry), and in Surgery (Medicine), one year from September 1, 1963, without salary (11-13-63).

- GOLDBERG, MRS. NORMA B., Clinical Instructor in Anesthesiology (Surgery) (Medicine), ten months from November 1, 1963, without salary (12-3-63).
- GRUSH, HUBERT L., Research Assistant in Electrical Engineering (C), eight months from January 1, 1964, \$4,000, supersedes (11-29-63).
- HARRISON, ROBERT M., Research Associate in Soil Chemistry (Agronomy) (S), November 8, 1963-August 31, 1964, \$6,500 a year, supersedes (11-20-63).
- HART, MARY L., Acquisition Assistant in the Library, seven months from February 1, 1964, \$3,325 (12-3-63).
- HENDERSON, JOHN D., Visiting Professor of Library Science (Graduate School of Library Science),  $\frac{3}{4}$  time, February 1-June 15, 1964, \$3,800, supersedes (11-20-63).
- JERMO, BETTY L., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals), College of Pharmacy, nine months from December 1, 1963, \$7,850 a year (12-3-63).
- JOHNSON, OLAF K., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1963, without salary (11-13-63).
- KIRSCHENBAUM, M. BARRY, Clinical Instructor in Dermatology (Medicine), ten months from November 1, 1963, without salary (12-3-63).
- KRAATZ, JAMES, Research Assistant in Education (University High School, Mathematics Project), one year from September 1, 1963, \$5,150, supersedes (11-11-63).
- KREHBIEL, ROBERT H., Professor of Anatomy on the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, for the day August 1, 1963, and resuming service August 19, 1963, and continuing through August 31, 1963, \$17,814 a year, and for the period September 1, 1963-August 17, 1965, \$18,688 a year; and Professor of Anatomy (Medicine), indefinite tenure for the academic year beginning September 1, 1965, supersedes (11-9-63).
- MACLEOD, RODERICK, Research Associate in Botany, ten months from November 1, 1963, \$6,500 a year (11-29-63).
- MASON, JAMES H., Instructor in Surgery (Medicine),  $\frac{3}{4}$  time, nine months from December 1, 1963, \$7,350 a year, supersedes (11-18-63).
- MENACHOF, IRWIN, Clinical Instructor in Ophthalmology (Medicine), one year from September 1, 1963, without salary (12-3-63).
- MILEWSKI, JOSEPH, Physician in the Health Service (Medical Center, Chicago), 3/10 time, ten months from November 1, 1963, \$3,400 a year (11-20-63).
- MIQUEL, MRS. ANNE-MARIE, Research Assistant in Chemistry, eight months from January 1, 1964, \$3,433.36 (11-26-63).
- NASATIR, SHELLEY H., Assistant in Radiology (Medicine), eleven months from October 1, 1963, without salary (11-27-63).
- NORTON, MRS. WINIFRED, Visiting Instructor in Library Science (Graduate School of Library Science),  $\frac{1}{3}$  time, February 1-June 15, 1964, \$1,500 (11-20-63).
- OHLSEN, MERLE M., Professor of Educational Psychology (Education), indefinite tenure from March 1, 1964, to render service during each academic year, \$13,600 a year, supersedes (12-3-63).
- O'NEILL, JOHN J., Professor of Audiology, Department of Otolaryngology (Medicine), indefinite tenure from September 1, 1963, without salary; this is in addition to his appointment as Professor of Speech and Director of the Speech and Hearing Clinics (Liberal Arts and Sciences) and Counselor on the University Council on Teacher Education (Education) (11-18-63).
- OPPENHEIMER, MRS. ZELDA V., Assistant in Foreign Languages (Chicago Undergraduate Division), October 22, 1963-January 31, 1964, \$555.55 a month (11-18-63).
- PEPPER, GEORGE, Physician in the Health Service (Medical Center, Chicago), 15/100 time, November 1, 1963-August 31, 1964, \$1,800 a year; this is in addition to his appointment as Clinical Assistant Professor of Obstetrics and Gynecology (Medicine), without salary (11-20-63).
- REDDY, REDLAREPAKA RAMCHANDRA, Research Assistant in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), nine months from December 1, 1963, \$4,500 (11-26-63).

- REIMER, BENNETT, Assistant Professor of Secondary and Continuing Education (College of Education),  $\frac{1}{2}$  time, and of Music (College of Fine and Applied Arts),  $\frac{1}{2}$  time, one year from September 1, 1963, \$9,250, supersedes (11-14-63).
- RITTER, DIANE S., Assistant in Occupational Therapy (Medicine), nine months from December 1, 1963, \$6,800 a year, supersedes (11-12-63).
- SCHUYLER, NOAH R., Visiting Lecturer in Economics (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the second semester of the academic year 1963-64, \$2,000 (11-19-63).
- SHAUGHNESSY, HOWARD J., Professor of Public Health and Preventive Medicine on the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, for the day October 11, 1963, and resuming service October 23, 1963, and continuing through April 13, 1964, \$25,437 a year; and Professor of Public Health and Head of the Department (Medicine), indefinite tenure,  $\frac{4}{5}$  time, for the period October 12-22, 1963, and beginning April 14, 1964, \$18,500 a year, supersedes (11-9-63).
- SIEGEL, PETER, Physician in the Health Service (Medical Center, Chicago), 15/100 time, ten months from November 1, 1963, \$1,800 a year; this is in addition to his appointment as Clinical Assistant Professor of Obstetrics and Gynecology (Medicine), without salary (11-20-63).
- SIMPSON, KENNETH H., Clinical Instructor in Urology (Surgery) (Medicine), nine months from December 1, 1963, without salary (12-3-63).
- SMITH, ALEXANDER T., Clinical Instructor in Psychiatry (Medicine), eleven months from October 1, 1963, without salary (12-3-63).
- STARSHAK, THOMAS J., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1963, without salary (11-13-63).
- WHEELER, JAMES E., Instructor in Accountancy,  $\frac{3}{4}$  time, to render service during the second semester of the academic year 1963-64, \$1,950, supersedes (11-12-63).
- WILMOT, MRS. CANDACE, Research Assistant in the Digital Computer Laboratory, February 1-June 15, 1964, \$2,200 (11-15-63).
- WITTING, LLOYD A., Assistant Professor of Biological Chemistry (Medicine), one year from September 1, 1963, without salary (12-3-63).

#### FELLOW

(The following appointment made by the Dean of the Graduate College was approved on the date indicated in parentheses.)

- BASSEL, BYRON A., JR., Postdoctoral Fellow in Microbiology, seven months from December 1, 1963, \$3,500 (11-11-63).

#### RESIGNATIONS AND CANCELLATIONS

- AGUSTSSON, MAGNUS H., Clinical Assistant Professor of Pediatrics (Medicine) — resignation effective November 1, 1963.
- ANAND, SATISH C., Research Associate in Agronomy — resignation effective December 19, 1963.
- BROOKER, ELMER W., Research Assistant in Civil Engineering — resignation effective November 13, 1963.
- FISCHER, DON A., Assistant in Orthopaedic Surgery (Medicine) — resignation effective October 1, 1963.
- DWORSCHAK, FRIEDRICH, Research Associate in Physics — resignation effective January 1, 1964.
- GUPTA, OM PRAKASH, Assistant Professor of Radiology (Dentistry) — resignation effective November 1, 1963.
- HAMILTON, ROBERT C., Instructor in Orthopaedic Surgery and Orthopaedist in the Division of Services for Crippled Children — resignation effective July 1, 1963.
- HASSLER, MRS. IDA P., Research Assistant in Chemistry — resignation effective October 1, 1963.
- MATTISON, DONALD C., JR., Instructor in Dentistry (Dentistry) — resignation effective November 9, 1963.
- OLSON, ROSS G., Assistant in Medicine (Medicine) — cancellation effective October 12, 1963.

SEYMOUR, DIGBY G., Clinical Assistant Professor of Anesthesiology (Surgery) (Medicine) — resignation effective November 1, 1963.

VISWANATHAN, LAKSHMIKANTHRAO, Research Associate in Chemistry — resignation effective January 1, 1964.

WANG, MRS. VENETIA, Bibliographer in the Library with rank of Instructor — resignation effective January 13, 1964.

WANN, ELBERT V., Research Associate in Vegetable Crops — resignation effective December 1, 1963.

WENTE, HENRY L., Instructor in Clinical Dentistry (Dentistry) — resignation effective November 1, 1963.

#### LEAVES OF ABSENCE

BANTA, FRANK G., Associate Professor of German and Chairman of the Department of Germanic Languages and Literatures — leave of absence, without pay, for one year from September 1, 1964, so that he may accept an appointment as Professor in the German Department of Indiana University.

KAISER, HENRY F., Professor of Educational Psychology (College of Education) and of Psychology (College of Liberal Arts and Sciences) — leave of absence, without pay, from September 1, 1964, and continuing to February 1, 1965, so that he may accept the L. L. Thurstone Distinguished Fellowship in Psychometrics at the University of North Carolina.

MARX, WERNER, Assistant Professor of German — leave of absence, without pay, for one year from September 1, 1964, so that he may accept a teaching position in a national school or an American-sponsored school abroad under the United States Government.

ROSS, O. BURR, Professor of Animal Science and Head of the Department — leave of absence, without pay, beginning November 4 and continuing through December 15, 1963, so that he may be a Member of Joint Indo-American Review Team (Agricultural Research and Education), a Rockefeller Foundation assignment.

#### LETTER FROM SECRETARY OF THE STATE UNIVERSITIES RETIREMENT SYSTEM

President Clement read a letter from the Secretary of the State Universities Retirement System expressing appreciation of the new office quarters provided for it by the University.

#### APPOINTMENT TO THE MERIT BOARD OF THE UNIVERSITY CIVIL SERVICE SYSTEM OF ILLINOIS

President Clement called attention to the vacancy in the representation of the Board of Trustees of the University of Illinois on the Merit Board of the University Civil Service System of Illinois, due to the resignation of Judge A. Harewood as a Trustee, and asked if the Board wished to take any action.

Mrs. Watkins nominated Mr. Earl M. Hughes.

Mr. Johnston moved that the nominations be closed, and this motion was adopted.

On motion of Mrs. Watkins, Mr. Hughes was elected to serve with Mr. Timothy W. Swain and Mr. Harold Pogue on the Merit Board of the University Civil Service System of Illinois as representatives of the Board of Trustees of the University of Illinois.

#### JANUARY, FEBRUARY, AND MARCH MEETINGS

President Clement announced that the next three meetings of the Board are scheduled for January 15, February 19, and March 10, 1964.

The Board has previously voted to hold the January meeting in Chicago.

It was the consensus of the Board that the February meeting should be held as scheduled on February 19, and in Urbana.

On motion of Mr. Johnston, the Board voted to change the date of the annual meeting from the second Tuesday, March 10, to the third Wednesday, March 18, 1964, to be held in Urbana.

#### RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session has been requested and was being ordered for consideration of patentable inventions and property acquisitions.

On motion of Mr. Swain, the Board recessed.

When the Board reconvened in executive session, the same members and officers of the Board and of the University were present as recorded at the beginning of these minutes.

The Board considered the following reports and recommendations from the President of the University.

#### RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(1) The University Patent Committee submits, with the concurrence of the University Research Board, the following reports and recommendations relating to patentable inventions by members of the staff.

1. Liquid helium cooled tilting stage for an electron microscope—J. A. Venables, Research Assistant Professor of Physics, inventor. The invention is a very low temperature stage for an electron microscope provided by the use of nitrogen as a cooler so that specimen contamination is not a problem.

It was developed under an Atomic Energy Commission contract. Federal law provides that in such an event, the Commission has the sole discretion as to the disposition of the invention. The Commission has advised the University that it does not wish to apply for a patent. It is the opinion of Professor G. M. Army of the Department of Physics and the Atomic Energy Commission that this invention has limited possibilities for commercial value and the Patent Committee concurs with this opinion. The inventor has requested that the invention be released to him. Accordingly, the Patent Committee recommends the release of the rights of the University in the invention to the inventor subject to any contractual obligations that the University may have to the United States government.

2. Production and application of acoustic waves resulting from pulsed RF discharges in gases—Ladislav Goldstein, Professor of Electrical Engineering, M. R. Roux, former Research Assistant in the Gaseous Electronics Laboratory, and J. A. Dayton, Jr., Research Assistant in Electrical Engineering, inventors. This discovery consists of the production of ordinary sound waves and pseudo-sound waves in low-pressure gasses by the breakdown of such gasses by high powered pulsed micro wave signals.

The Head of the Department of Electrical Engineering is of the opinion that this invention has little likelihood of commercial value. The Patent Committee concurs in this opinion and recommends that the rights of the University be leased to the inventors subject to any contractual obligations that the University may have to the United States government and with the further stipulation that if the inventors do not exercise their rights to file for a patent within a reasonable period that all rights of the University be transferred to the government.

3. Two-slit optical interferometer—J. B. Gerardo, Graduate Assistant in the Gaseous Electronics Laboratory, inventor. This device provides a means of shifting the phase of the light impinging in one of the slits thereby shifting the fringe pattern.

The Head of the Electrical Engineering Department is of the opinion that this invention will prove to have little commercial value. The Patent Committee concurs in this opinion and recommends that the rights of the University be released to the inventor subject to any contractual obligations that the University may have to the United States government and with the further stipulation that

if the inventor does not exercise his rights to file for a patent within a reasonable period that all rights of the University be transferred to the government.

I concur in these recommendations.

On motion of Mr. Swain, these recommendations were approved.

#### **PURCHASE OF PROPERTY AT 205 SOUTH GOODWIN AVENUE, URBANA**

(2) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the property at 205 South Goodwin Avenue, Urbana, Illinois, at a price of \$30,500 which is within the appraisals received.

The property consists of a lot 46 feet by 60 feet (2,760 square feet) and is improved with a two-story and basement brick veneer residence. This lot is the last remaining parcel not owned by the University in the area bounded by Green Street, Goodwin Avenue, Mathews Avenue, and Western Avenue.

The Committee on Buildings and Grounds has been consulted and supports the recommendation.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Pogue, the purchase of this property, at the price indicated, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### **ACQUISITION OF PROPERTY AT 603 EAST DANIEL STREET, CHAMPAIGN**

(3) On October 26, 1963, the Board of Trustees authorized the purchase of the property at 603 East Daniel Street, Champaign, commonly referred to as the Thunderbird Restaurant property, by negotiation at a price not to exceed \$100,000. The Board also authorized the Executive Committee to adopt a resolution for institution of condemnation proceedings for the acquisition of the property if negotiations for the purchase were not successful.<sup>1</sup>

The Director of the Physical Plant and the Vice-President and Comptroller report that they have not succeeded in negotiating purchase of the property at a price they can recommend. Accordingly, they request authorization of condemnation proceedings for acquisition of this property along with the adjoining property at 605 East Daniel Street, Champaign, commonly referred to as the Cosmopolitan Club, which the University is also seeking to acquire through condemnation.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund.

I concur, and the following resolution is offered:

#### **Resolution**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to wit:

The East Half of the North Seventy-three (73) feet of Lot Four (4) in Block One (1) of A. T. Hall's Addition to the City of Champaign, Illinois, situated in the City of Champaign, in the County of Champaign, in the State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for a vehicular parking area for staff members of the University of Illinois in the conduct of the educational functions of the University of Illinois and for other educational purposes conducted and to be conducted, and for the further expansion of the educational facilities of said University of Illinois, and to enable said University of Illinois to discharge its

<sup>1</sup> The negotiations for purchase of this property were still under way until shortly before today's meeting of the Board so that the Executive Committee had no occasion to act in the matter. — Secretary's Note.

duty to the people of said State and for public use; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land but that said owners have refused to sell and convey said land to said The Board of Trustees of the University of Illinois for such price and continue to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the Compensation to be paid by it for said land can not be agreed upon between this Board of Trustees and the owners of said land and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Swain the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### ACQUISITION OF PROPERTY AT 1306 WEST SPRINGFIELD AVENUE, URBANA

(4) University representatives have been negotiating for the purchase of the property at 1306 West Springfield Avenue, Urbana. The property is a lot 66 feet by 100 feet (6,600 square feet) with a two and one-half story and basement frame building now used for apartments and student rooms. The land is needed as part of the site for the Digital Computer Laboratory Building Second Addition.

On the basis of University appraisals, the owner has been advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$39,500. This offer is not acceptable, and the asking price remains substantially in excess of the highest University appraisal. Accordingly, the Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.



The Committee on Buildings and Grounds has been consulted and supports the recommendation.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur and recommend adoption of the following resolution.

#### **Resolution**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot Eight (8) in Block Fifty-four (54) of the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for a site for an addition to the Digital Computer Laboratory and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owner of said land for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owner of said property and he and it are unable to agree upon the purchase price to be paid to said owner for the sale and conveyance of said land by said owner thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owner thereof for such land cannot be agreed upon between him and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owner thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceedings.

On motion of Mr. Williamson, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

#### ACQUISITION OF FARMLAND IN LA SALLE COUNTY

(5) The Board of Trustees on October 26, 1963, authorized the purchase of one hundred and sixty acres of farmland in La Salle County adjoining a farm of the same size which is part of the farmlands given to the University by Miss Laura Weber.

The land was sold at public auction by the administrator of the estate. The University was represented at the sale by Mr. R. B. Taylor of Newark, whose services were secured by the Department of Agricultural Economics. The Vice-President and Comptroller reports that the University was the successful bidder at a price of \$560 an acre, or \$89,600, and that the land has been purchased.

On motion of Mr. Johnston, this report was received for record.

On motion of Mr. Williamson, the Board adjourned.

Following adjournment, members of the Board and officers of the Board, officers of the University, and representative delegations of the staff at the Medical Center and at the Chicago Undergraduate Division were guests of officers of the First National Bank of Chicago at luncheon.

Following the luncheon, the Committees on General Policy and Buildings and Grounds held work sessions.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

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**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**January 15, 1964**



The January meeting of the Board of Trustees of the University of Illinois was held in the Sheraton-Blackstone Hotel, Chicago, Illinois, on Wednesday, January 15, 1964, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Theodore A. Jones, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Irving Dilliard and Governor Otto Kerner were absent.

Also present were President David D. Henry, Acting Provost Jack W. Peltason, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Dr. C. W. Sanford, Dean of Admissions and Records; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

**MINUTES APPROVED**

The Secretary presented the minutes of the meeting of the Board of Trustees on May 15, 1963, press proof copies of which have previously been sent to the Board.

On motion of Mrs. Watkins, these minutes were approved as printed on pages 483 to 529, inclusive.

**APPOINTMENT OF THEODORE A. JONES  
TO THE BOARD OF TRUSTEES**

President Howard W. Clement announced that Governor Otto Kerner on December 20, 1963, appointed Mr. Theodore A. Jones to be a member of the Board of Trustees of the University of Illinois, to fill the vacancy created by the resignation of Judge Richard A. Harewood, now a Judge of the Superior Court of Cook County, for the term expiring in March, 1965.<sup>1</sup>

Mr. Clement introduced Mr. Jones, who took his place with the Board.

**COMMITTEE APPOINTMENTS**

Mr. Clement appointed Mr. Jones to the following standing committees: Athletic Activities, Buildings and Grounds, General Policy, Patents, and Student Welfare and Activities (Chairman) to serve until the annual meeting of the Board in March, 1964, or until successors to standing committees have been appointed.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**

The Board took up consideration of the following reports and recommendations from the President of the University.

**PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

**AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
MELVIN DAVIDSON	Evergreen Park, Illinois	District of Columbia
ROBERT BRUNO FROMM	Chicago, Illinois	District of Columbia
DWIGHT ALBERT JOHNSON	Western Springs, Illinois	California
JOHN FRANCIS KELLER	Skokie, Illinois	Wisconsin
JERRY JOHN PERPICH	Des Moines, Iowa	Iowa
RONALD EDWARD TEEHAN	Ottawa, Illinois	Wisconsin

I concur.

On motion of Mr. Swain, these certificates were awarded.

<sup>1</sup> A certificate from the Secretary of State of Illinois of the Governor's appointment of Mr. Jones and copies of the Governor's letters relating to this appointment have been filed with the Secretary of the Board for record.

### APPOINTMENTS TO THE FACULTY

(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. DANUTA EHRLICH, Clinical Assistant Professor of Psychology, Department of Psychiatry, College of Medicine, beginning November 1, 1963, without salary.
2. STANLEY FRIEDMAN, Associate Professor of Entomology, beginning September 1, 1964, at an annual salary of \$12,000.
3. HANS HOLTEDAHL, Visiting Professor of Geology, for the second semester of 1963-64, at a salary of \$6,875.
4. HUGH H. HUSSEY, Clinical Professor of Medicine, beginning December 1, 1963, without salary.
5. DEVORE E. KILLIP, Assistant Professor of Teacher Education, Department of Postgraduate and Teacher Education, College of Dentistry, on three-fifths time, beginning January 1, 1964, at an annual salary of \$5,400.
6. J. K. MACKENZIE, Visiting Professor of Metallurgy, Department of Mining, Metallurgy, and Petroleum Engineering, for two months from November 10, 1963, at a salary of \$3,000.
7. JULIUS D. MANSON, Visiting Associate Professor of Dentistry, Department of Postgraduate and Teacher Education, College of Dentistry, on four-fifths time, for four months from January 1, 1964, at a salary of \$2,800.
8. EDNA E. RAPHEAL, Assistant Professor of Nursing, for the winter quarter, January 6, 1964, through March 20, 1964, at a salary of \$600.
9. GARY E. RICKETTS, Assistant Professor of Animal Science, beginning January 1, 1964, at an annual salary of \$9,000.
10. YOSHIO SHIMAMOTO, Visiting Research Professor of Physics, in the Digital Computer Laboratory, for the second semester of 1963-64, at a salary of \$5,850.
11. UDDITA N. SINGH, Visiting Professor of Mathematics, on one-third time, for the academic year 1963-64, at a salary of \$4,000.
12. MERLIN TABER, Associate Professor in the Jane Addams Graduate School of Social Work, beginning September 1, 1964, at an annual salary of \$12,000.
13. THOMAS TIMUSK, Research Assistant Professor of Physics, beginning May 1, 1964, at an annual salary of \$9,200.
14. EDWARD WASIOLEK, Visiting Associate Professor of Comparative Literature and Russian, for the second semester of 1963-64, at a salary of \$4,750.

On motion of Mr. Johnston, these appointments were confirmed.

### BUDGET FOR 1964 SUMMER SESSION AND FACULTY APPOINTMENTS

(3) Submitted herewith is the budget and appointments to the faculty for the 1964 Summer Session: at Urbana-Champaign from June 15 to August 8; at the Chicago Undergraduate Division from June 19 to August 14; and at the Medical Center from June 22 to September 12.

The distribution of the budgeted funds is as follows:

#### Salaries

Urbana-Champaign.....	\$ 992 567
Medical Center .....	12 397
Reserve.....	45 036
<i>Total, Urbana-Champaign and Medical Center.....</i>	<i>(1 050 000)</i>
Chicago Undergraduate Division.....	177 293
Reserve.....	15 007
<i>Total, Chicago Undergraduate Division.....</i>	<i>(192 300)</i>
<i>Total, Summer Session Salaries.....</i>	<i>(1 242 300)</i>

#### Wages, Expense, and Equipment

Urbana-Champaign.....	\$ 15 410
<i>Total, Summer Session Budget.....</i>	<i>\$1 257 710</i>

Salaries of members of the University faculty recommended for summer session appointments are computed on the basis of the standard formula: two-ninths of the salary of the academic year for eight weeks of service, with proportionate amounts for shorter periods or for part-time service. The appointments being recommended include a number of visiting lecturers from other colleges and universities at the salaries indicated.

I recommend that the appointments to the summer session staff be approved as submitted, and that the President of the University be authorized to accept resignations and make such changes and adjustments and additional appointments as are necessary in accordance with the needs of the University within the allocations of funds indicated.

#### URBANA-CHAMPAIGN

##### Accountancy

	<i>Per Cent Time</i>	<i>Summer Salary</i>
1. Norton M. Bedford, Professor.....	100	\$ 3 889
2. Robert I. Dickey, Professor.....	100	3 734
3. Kenneth W. Perry, Professor.....	100	2 778
4. Vernon K. Zimmerman, Professor.....	100	2 889
5. Robert E. Schlosser, Associate Professor.....	100	2 478
6. William A. Peterson, Assistant Professor.....	100	1 845
7. Nancy A. Desmond, Instructor.....	100	1 156
8. Robert W. Clarke, Assistant.....	50	475
9. _____.....	100	2 000
		(\$ 21 244)

##### Advertising

1. James E. Moyer, Associate Professor.....	100	\$ 2 534
		(\$ 2 534)

##### Agricultural Economics

1. D. E. Lindstrom, Professor of Rural Sociology (June 15 to July 11) .....	100	\$ 1 223
		(\$ 1 223)

##### Anthropology

1. Joseph B. Casagrande, Professor.....	50	\$ 2 000
2. John C. McGregor, Professor.....	100	2 934
3. Edward M. Bruner, Associate Professor.....	100	2 778
4. _____, Assistant .....	100	934
5. _____, Assistant .....	50	467
6. _____, Assistant .....	50	467
		(\$ 9 580)

##### Architecture

1. Granville S. Keith, Professor.....	100	\$ 4 067
2. Linwood J. Brightbill, Professor.....	100	3 156
3. George M. Hodge, Jr., Associate Professor.....	50	1 452
4. Stephen J. Y. Tang, Associate Professor.....	100	3 000
5. Carlos T. Marfort, Assistant Professor.....	100	2 378
6. Herman G. Pundt, Assistant Professor.....	100	1 778
7. Gerald L. Exline, Instructor.....	100	1 667
		(\$ 17 498)

##### Art

1. Charles A. Dietemann, Professor.....	67	\$ 1 808
2. Edward J. Zagorski, Professor.....	100	2 756
3. George N. Foster, Associate Professor.....	100	2 067
4. Donald E. Frith, Associate Professor.....	100	1 978
5. Billy M. Jackson, Associate Professor.....	67	1 260
6. James H. Lynch, Associate Professor.....	100	2 045
7. Ronald W. Sterkel, Associate Professor.....	100	2 112
8. James B. Wallace, Associate Professor.....	67	1 304
9. Frank Gallo, Assistant Professor.....	67	993
10. John A. Roy, Assistant Professor.....	100	1 578

	<i>Per Cent Time</i>	<i>Summer Salary</i>
11. Ary J. Arlon, Instructor.....	67	889
12. Frank E. Gunter, Instructor.....	67	963
13. Victor G. Kord, Instructor.....	67	934
14. Richard H. Moses, Instructor.....	67	860
15. Claramay Trainor, Instructor.....	67	845
16. Sharon Lumsden, Assistant.....	50	467
(See Elementary Education).....	(50)	(467)
(Total Salary).....		(934)
17. Minerva Pinnell, Visiting Lecturer.....	100	2 600
(Department of English, Denison Hall, Kansas State University, Manhattan, Kansas).....		(\$ 25 459)

**University of Illinois Bands**

1. Guy M. Duker, Assistant to the Director.....	33	\$ 789
		(\$ 789)

**Botany**

1. G. Neville Jones, Professor.....	100	\$ 2 889
2. James F. Nance, Associate Professor.....	100	2 545
3. _____, Assistant Professor.....	100	1 778
4. _____, Assistant.....	50	467
5. _____, Assistant.....	50	467
6. _____, Assistant.....	50	467
		(\$ 8 613)

**Graduate School of Business Administration**

1. W. J. Lord, Associate Professor.....	100	\$ 2 067
2. Daniel M. Slate, Associate Professor.....	100	2 556
3. Helmy H. Baligh, Assistant Professor.....	100	2 056
4. Chei-Min Paik, Assistant Professor.....	100	1 889
		(\$ 8 568)

**Business Education**

1. Ralph E. Mason, Associate Professor.....	50	\$ 1 120
2. Elizabeth R. Melson, Associate Professor.....	50	1 200
(See Vocational and Technical Education).....	(50)	(1 200)
(Total Salary).....		(2 400)
3. Mildred E. Reed, Assistant Professor (June 15 to July 11)...	100	834
4. Anna K. Mahaffey, Instructor.....	50	578
		(\$ 3 732)

**Chemistry and Chemical Engineering**

1. James W. Westwater, Professor.....	100	\$ 3 334
2. Dean F. Martin, Assistant Professor.....	100	1 712
3. Daniel D. Perlmutter, Assistant Professor.....	100	2 000
4. Leonard E. Brady, Instructor.....	100	1 600
5. F. Leslie Brooks, Instructor.....	100	1 667
6. John L. Burmeister, Instructor.....	100	1 556
7. _____, Assistant.....	50	512
8. _____, Assistant.....	50	512
9. _____, Assistant.....	50	489
10. _____, Assistant.....	50	489
11. _____, Assistant.....	50	489
12. _____, Assistant.....	50	489
13. _____, Assistant.....	50	489
14. _____, Assistant.....	50	489
15. _____, Assistant.....	50	489
16. _____, Assistant.....	50	489
17. _____, Assistant.....	50	489
18. _____, Assistant.....	50	489
19. _____, Assistant.....	50	489
20. _____, Assistant.....	50	489
21. _____, Assistant.....	50	489



		<i>Per Cent Time</i>	<i>Summer Salary</i>
22. _____	Assistant .....	50	489
23. _____	Assistant .....	50	467
24. _____	Assistant .....	50	467
25. _____	Assistant .....	50	467
26. _____	Assistant .....	50	467
27. _____	Visiting Lecturer.....	100	3 556
28. _____	Visiting Lecturer.....	100	3 300
29. _____	Visiting Lecturer.....	100	3 000
30. _____	Visiting Lecturer.....	100	2 800
31. _____	Visiting Lecturer.....	100	2 667
32. _____	Visiting Lecturer.....	100	2 400
33. _____	Visiting Lecturer.....	100	2 400
34. _____	Visiting Lecturer.....	100	2 300
35. _____	Visiting Lecturer.....	100	2 200
36. _____	Visiting Lecturer.....	100	2 000
37. _____	Visiting Lecturer.....	100	1 600

(\$ 49 830)

**Child Development**

1. Millicent V. Martin, Assistant Professor.....	100	\$ 1 556
2. Robert B. Smith, Assistant Professor of Music.....	50	878
(See Music) .....		(878)
(Total Salary) .....		(1 756)
3. Collene B. King, Instructor.....	100	1 312
4. _____, Assistant .....	50	467
5. _____, Assistant .....	50	467
6. _____, Assistant .....	25	234
7. _____, Assistant .....	25	234
8. _____, Assistant .....	25	234
9. _____, Assistant .....	25	234

(\$ 5 616)

**City Planning and Landscape Architecture**

1. Louis B. Wetmore, Professor.....	33	\$ 1 260
2. Thomas C. Hazlett, Assistant Professor.....	33	689

(\$ 1 949)

**Civil Engineering**

1. N. M. Newmark, Professor.....	25	\$ 1 317
2. Edwin H. Gaylord, Jr., Professor.....	100	3 312
3. William J. Hall, Professor.....	50	1 612
4. Moreland Herrin, Professor.....	70	1 680
5. Herbert O. Ireland, Professor.....	70	1 820
6. William H. Munse, Professor.....	50	1 667
7. Ralph B. Peck, Professor of Foundation Engineering.....	50	2 056
8. Chester P. Siess, Professor.....	50	1 667
9. Melvin T. Davisson, Associate Professor.....	70	1 463
10. Steven J. Fenves, Associate Professor.....	70	1 649
11. William L. Gamble, Assistant Professor.....	70	1 245
12. Stanley L. Paul, Assistant Professor.....	70	1 260
13. Samuel Sutcliffe, Assistant Professor.....	70	1 307
14. Richard N. Wright III, Assistant Professor.....	70	1 432
15. German Gurfinkel, Instructor.....	70	1 307
16. _____, Instructor .....	100	1 900

(\$26 694)

**Classics**

1. John J. Bateman, Assistant Professor.....	100	\$ 1 867
2. William P. Donovan, Assistant Professor.....	100	1 645

(\$ 3 512)

**Digital Computer Laboratory**

1. _____, Assistant Professor.....	75	\$ 1 746
2. _____, Assistant .....	100	934

(\$ 2 680)

	Economics	Per Cent Time	Summer Salary
1.	H. K. Allen, Professor.....	100	\$ 3 889
2.	H. M. Gray, Professor.....	100	3 389
3.	R. W. Harbeson, Professor.....	100	2 867
4.	Janet L. Weston, Associate Professor.....	100	2 000
5.	Dennis J. Aigner, Assistant Professor.....	67	1 334
6.	Robert W. Resek, Assistant Professor.....	67	1 349
7.	Case M. Sprenkle, Assistant Professor.....	50	1 078
8.	Robert W. Rafuse, Jr., Instructor.....	100	1 845
9.	Gerald I. Weber, Instructor.....	67	1 230
10.	_____, Assistant.....	50	500
11.	_____, Assistant.....	50	500
12.	_____, Assistant.....	50	467
13.	_____, Assistant.....	50	467
			(\$20 915)
	<b>Educational Administration and Supervision</b>		
1.	Fred P. Barnes, Professor of Elementary Education.....	100	\$ 2 645
2.	Harold C. Hand, Professor of Secondary and Continuing Education.....	50	1 811
	(See Secondary and Continuing Education).....	(50)	(1 812)
	(Total Salary).....		(3 623)
3.	Lloyd E. McCleary, Professor.....	100	2 667
4.	John E. McGill, Professor of Elementary Education.....	50	1 272
	(See Elementary Education).....	(50)	(1 273)
	(Total Salary).....		(2 545)
5.	_____, Associate Professor.....	100	2 134
6.	Stephen P. Hencley, Associate Professor.....	100	2 289
7.	_____, Assistant.....	50	545
8.	_____, Visiting Lecturer.....	100	2 400
9.	_____, Visiting Lecturer.....	100	2 400
			(\$ 18 163)
	<b>Educational Psychology</b>		
1.	Glenn M. Blair, Professor.....	100	\$ 2 467
2.	Norman E. Gronlund, Professor.....	100	2 334
3.	R. Stewart Jones, Professor.....	100	2 723
4.	William E. Kappauf, Professor of Psychology.....	100	3 245
5.	Clyde G. Knapp, Professor of Secondary and Continuing Education.....	100	2 389
6.	O. Hobart Mowrer, Professor of Psychology.....	50	1 789
7.	T. Ernest Newland, Professor.....	100	2 223
8.	Merle M. Ohlsen, Professor.....	100	3 023
9.	Cecil H. Patterson, Professor.....	100	2 712
10.	Robert E. Pingry, Professor of Mathematics and of Sec- ondary and Continuing Education.....	100	2 712
11.	Ray H. Simpson, Professor.....	100	2 800
12.	Warren C. Bonney, Associate Professor.....	100	2 178
13.	Wilfred L. Shoemaker, Associate Professor.....	100	2 023
14.	Alfred L. Brophy, Jr., Assistant Professor.....	100	1 845
15.	William H. Evans, Assistant Professor of Secondary and Continuing Education.....	50	978
	(See Elementary Education).....	(50)	( 978)
	(Total Salary).....		(1 956)
16.	Raymond W. Frankmann, Jr., Assistant Professor of Psy- chology.....	50	945
	(See Psychology).....	(50)	( 945)
	(Total Salary).....		(1 890)
17.	Charles M. Garverick, Assistant Professor.....	100	1 867
18.	John C. Toth, Assistant Professor.....	100	1 889
19.	Jerry L. Walker, Assistant Professor of Secondary and Con- tinuing Education.....	50	867
	(See Secondary and Continuing Education).....	(50)	( 867)
	(Total Salary).....		(1 734)

	<i>Per Cent Time</i>	<i>Summer Salary</i>
20. _____, Assistant .....	50	500
21. Ray L. Debus, Visiting Lecturer..... (Senior Lecturer, School of Education, University of Sydney, NSW, Australia)	100	2 300
22. Gabriel Della Piana, Visiting Lecturer..... (Department of Educational Psychology, University of Utah, Salt Lake City 1, Utah)	100	1 100
23. James C. Horger, Visiting Lecturer..... (Educational Projects and Guidance Building, University of Illinois, Urbana, Illinois)	100	2 000
24. Henry R. Kaczowski, Visiting Lecturer..... (109 Educational Projects and Guidance Building, Univer- sity of Illinois, Urbana, Illinois)	100	2 067
25. Roger C. Olstad, Visiting Lecturer..... (1203 West Oregon Street, University of Illinois, Urbana, Illinois)	50	945
26. Betty E. Orr, Visiting Lecturer..... (129 Educational Projects and Guidance Building, Univer- sity of Illinois, Urbana, Illinois)	100	2 112
27. M. Jean Phillips, Visiting Lecturer..... (111 Educational Projects and Guidance Building, Univer- sity of Illinois, Urbana, Illinois)	100	1 778
		(\$ 53 811)

**Electrical Engineering**

1. George E. Anner, Professor.....	100	\$ 3 178
2. L. B. Archer, Professor.....	100	2 756
3. M. S. Helm, Professor.....	100	2 689
4. C. A. Keener, Professor.....	100	3 289
5. G. R. Peirce, Professor.....	100	2 689
6. P. F. Schwarzklose, Professor.....	100	2 534
7. C. E. Skroder, Professor.....	100	2 356
8. Jerome Earl Williams, Professor.....	100	2 645
9. William G. Albright, Associate Professor.....	100	2 067
10. Roger W. Burtness, Associate Professor.....	100	2 778
11. Milton H. Crothers, Associate Professor.....	100	2 467
12. Paul R. Egbert, Associate Professor.....	100	2 245
13. Benjamin Kuo, Associate Professor.....	100	2 334
14. Millard S. McVay, Associate Professor.....	100	2 734
15. Philip A. Bauman, Assistant Professor.....	100	1 689
16. V. Gourishankar, Assistant Professor.....	100	1 778
17. Paul K. Hudson, Assistant Professor.....	75	1 700
18. Roger C. Conant, Instructor.....	50	556
19. Michael S. Davies, Instructor.....	50	556
20. Arnold W. Dipert, Instructor.....	100	1 223
21. Kenneth A. Backer, Assistant.....	50	489
22. John A. Johnson, Assistant.....	50	534
23. Dennis S. Karjala, Assistant.....	50	534
24. John J. Mele, Assistant.....	50	489
25. Donald J. Powers, Assistant.....	50	489
26. Joseph J. Shidle, Assistant.....	50	489
27. Irwin E. Tuckman, Assistant.....	50	489
28. _____	100	2 000
		(\$ 49 776)

**Elementary Education**

1. R. Will Burnett, Professor of Secondary and Continuing Education .....	50	\$ 1 489
(See Secondary and Continuing Education).....	(50)	(1 489)
(Total Salary) .....		(2 978)
2. John E. McGill, Professor.....	50	1 273
(See Educational Administration and Supervision).....	(50)	(1 272)
(Total Salary) .....		(2 545)

	Per Cent Time	Summer Salary
3. Walter J. Moore, Professor.....	100	2 378
4. J. Harlan Shores, Professor.....	100	2 700
5. Celia B. Stendler, Professor (June 15 to July 11).....	100	1 262
6. Orrin E. Gould, Associate Professor of Secondary and Continuing Education .....	50	989
(See Secondary and Continuing Education).....	(50)	( 989)
(Total Salary) .....		(1 978)
7. Charles E. Johnson, Associate Professor.....	100	2 267
8. Theodore Manolakes, Associate Professor.....	100	2 167
9. ———, Associate Professor.....	100	2 089
10. John G. Chaltas, Assistant Professor.....	100	1 878
11. William H. Evans, Assistant Professor of Secondary and Continuing Education .....	50	978
(See Educational Psychology).....	(50)	( 978)
(Total Salary) .....		(1 956)
12. Clarence Phillips, Assistant Professor of Mathematics.....	50	833
(See Mathematics) .....	(50)	( 834)
(Total Salary) .....		(1 667)
13. James Dudley, Instructor.....	100	1 445
14. Robert L. Jozwiak, Instructor.....	50	723
15. William C. Bungert, Assistant.....	50	567
16. Eugene Irving, Assistant.....	50	567
17. Sharon Lumsden, Assistant.....	50	467
(See Art) .....	(50)	(467)
(Total Salary) .....		( 934)
18. ———, Assistant (June 15 to July 11).....	100	567
19. ———, Assistant (July 13 to August 8).....	100	567
20. ———, Assistant .....	50	467
21. ———, Assistant .....	50	467
22. Donald R. Ferris, Visiting Lecturer.....	100	2 445
(217 Elementary Education Center, University of Illinois, Urbana, Illinois)		
23. ———, Visiting Lecturer.....	100	2 100
24. ———, Visiting Lecturer.....	100	2 100
25. ———, Visiting Lecturer.....	100	1 400
26. ———, Visiting Lecturer.....	100	1 400
27. Lorene Quay, Visiting Lecturer.....	50	1 050
(1726 West Haven Drive, Champaign, Illinois)		
28. ———, Visiting Lecturer.....	50	1 000
		(\$ 37 824)

## English

1. Edward H. Davidson, Professor.....	50	\$ 1 889
2. Julius N. Hook, Professor.....	100	3 123
3. B. A. Milligan, Professor.....	50	1 550
4. Robert Ornstein, Professor.....	100	3 112
5. Donald Smalley, Professor.....	50	1 634
6. Roland M. Smith, Professor.....	100	2 823
7. Harris W. Wilson, Professor.....	50	1 400
8. Lynn Altenbernd, Associate Professor.....	100	2 245
9. Robert L. Haig, Associate Professor.....	50	1 189
10. John T. Maguire, Associate Professor of Business English..	50	1 034
11. Frank Moake, Associate Professor.....	100	2 000
12. Harry F. Robins, Associate Professor.....	50	989
13. Jack C. Stillinger, Associate Professor.....	100	2 378
14. ———, Associate Professor.....	50	967
15. Herbert Bogart, Assistant Professor.....	100	1 623
16. Edward J. Brandabur, Assistant Professor.....	50	812
17. John C. Clarke, Assistant Professor.....	50	812
18. John A. Hamilton, Assistant Professor.....	50	745
19. U. Milo Kaufmann, Assistant Professor.....	50	812
20. Stanton Millet, Assistant Professor.....	75	1 450

	Per Cent Time	Summer Salary
21. Richard H. Wasson, Assistant Professor.....	50	812
22. Brian F. Wilkie, Assistant Professor.....	50	834
23. _____, Assistant Professor.....	50	845
24. _____, Assistant Professor.....	100	1 689
25. Eloise C. Enata, Instructor.....	100	1 489
26. Jan Ann Hinely, Instructor.....	50	756
27. Mary A. Hussey, Instructor.....	100	1 512
28. Maria Keen, Instructor.....	100	1 245
29. Albert C. Tillman, Instructor.....	50	745
30. _____, Instructor in Business English.....	50	656
31. _____, Instructor in Business English.....	50	656
32. _____, Instructor in Business English.....	50	600
33. Wilmer A. Lamar, Lecturer.....	100	2 067
34. _____, Assistant.....	50	489
35. _____, Assistant.....	50	489
36. _____, Assistant.....	50	489
37. _____, Assistant.....	50	467
38. _____, Assistant.....	50	512
39. _____, Assistant.....	50	512
40. _____, Assistant.....	50	512
41. _____, Assistant.....	50	512
42. _____, Visiting Lecturer.....	100	2 500

(\$ 52 975)

**Entomology**

1. Gilbert Waldbauer, Assistant Professor.....	100	\$ 1 689
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(\$ 1 689)

**Finance**

1. Robert W. Mayer, Professor.....	100	\$ 3 045
2. Robert I. Mehr, Professor.....	100	3 634
3. Harlan R. Patterson, Assistant Professor.....	100	1 667
4. Frederick G. Stubbs, Jr., Assistant.....	25	234
5. Paul J. Swanson, Jr., Assistant.....	50	467

(\$ 9 047)

**French**

1. Charles A. Knudson, Professor.....	50	\$ 1 956
2. Philip Kolb, Professor.....	50	1 639
3. Bruce H. Mainous, Associate Professor.....	50	1 200
4. Francis W. Nachtmann, Associate Professor.....	100	2 112
5. Paul Barrette, Assistant Professor.....	100	1 556
6. Edwin Jahiel, Assistant Professor.....	100	1 834
7. Barbara Bucknall, Instructor.....	50	712
8. M. Roy Harris, Instructor.....	100	1 467
9. _____, Assistant.....	50	467
10. _____, Assistant.....	50	467
11. _____, Assistant.....	50	467
12. _____, Assistant.....	50	467
13. _____, Assistant.....	50	467
14. _____, Assistant.....	50	467
15. _____, Assistant.....	50	467
16. _____, Assistant.....	50	467
17. _____, Assistant.....	50	467
18. _____, Assistant.....	50	467
19. _____, Assistant.....	50	467
20. _____, Assistant.....	50	467
21. _____, Assistant.....	50	467
22. _____, Assistant.....	50	467
23. _____, Assistant.....	50	467
24. _____, Assistant.....	50	467

(\$ 19 948)

	<i>Per Cent Time</i>	<i>Summer Salary</i>
<b>General Engineering</b>		
1. Robert A. Jewett, Associate Professor.....	50	\$ 1 000
2. Robert W. Bokenkamp, Instructor.....	50	934
3. Monte L. Phillips, Instructor.....	100	1 445
4. Harrison Streeter, Instructor.....	100	1 734
		(\$ 5 113)
<b>Division of General Studies</b>		
1. Walter H. Draper, Assistant Professor.....	100	\$ 1 556
2. John F. Glawe, Assistant Professor.....	100	1 534
3. ———, Assistant .....	50	467
		(\$ 3 557)
<b>Geography</b>		
1. Alfred W. Booth, Professor.....	100	\$ 3 134
2. John L. Page, Professor.....	100	2 612
3. Howard G. Roepeke, Professor.....	25	578
4. Charles S. Alexander, Associate Professor.....	100	2 134
5. ———, Assistant .....	75	700
6. ———, Assistant .....	50	467
7. ———, Assistant .....	50	467
		(\$ 10 092)
<b>Geology</b>		
1. George W. White, Professor (July 13 to August 8).....	100	\$ 2 134
2. Paul R. Shaffer, Professor (June 15 to July 11).....	100	1 778
3. Frederick W. Cropp, Assistant Professor.....	100	1 934
4. W. Hilton Johnson, Assistant Professor.....	100	1 556
5. F. Michael Wahl, Assistant Professor.....	100	1 945
6. Ray E. Ferrell, Assistant.....	100	934
7. Robert B. Furlong, Assistant.....	100	934
8. Franklin D. Patton, Assistant.....	100	934
9. Elton L. Couch, Visiting Lecturer.....	100	1 500
(Eureka College, Eureka, Illinois)		
10. Frank L. Koucky, Visiting Lecturer.....	100	2 000
(Department of Geology, University of Cincinnati, Cincinnati, Ohio)		
		(\$ 15 649)
<b>Germanic Languages and Literatures</b>		
1. John R. Frey, Professor.....	100	\$ 3 089
2. Ernst A. Philippson, Professor.....	100	3 200
3. Harry Haile, Associate Professor.....	100	2 112
4. ———, Assistant Professor.....	100	1 556
5. Pauline Schwalbe, Assistant Professor.....	100	1 689
6. Gunter Eberspach, Instructor.....	100	1 400
7. Charles Giordano, Instructor.....	100	1 423
8. Christel Bell, Assistant.....	50	512
9. Richard D'Alquen, Assistant.....	50	512
10. Klaus D. Hanson, Assistant.....	50	467
11. Siegfried Mews, Assistant.....	50	467
12. Drayton G. Miller, Assistant.....	50	512
13. ———, Assistant .....	25	234
		(\$ 17 173)
<b>Health and Safety Education</b>		
1. Howard S. Hoyman, Professor.....	75	\$ 2 817
2. Warren J. Huffman, Associate Professor.....	50	1 234
		(\$ 4 051)
<b>History</b>		
1. Robert W. Johannsen, Professor.....	50	\$ 1 445
2. C. Ernest Dawn, Professor.....	100	2 623
3. Norman A. Graebner, Professor.....	100	3 556
4. Harold M. Hyman, Professor.....	40	1 334
5. Paul W. Schroeder, Associate Professor.....	100	2 223

	<i>Per Cent Time</i>	<i>Summer Salary</i>
6. Robert M. McColley, Assistant Professor.....	100	1 567
7. Robert A. Waller, Assistant Professor.....	100	1 667
8. Arther Lee Ferrill, Instructor.....	100	1 156
9. ———, Assistant.....	50	467
10. ———, Assistant.....	50	467
11. ———, Assistant.....	50	467
12. ———, Assistant.....	50	467
13. ———, Assistant.....	50	467
14. ———, Assistant.....	50	467
15. ———, Assistant.....	50	467
16. Walter Arnstein, Visiting Lecturer..... (Roosevelt University, Chicago, Illinois)	100	2 500
17. Donald Kagan, Visiting Lecturer..... (Cornell University, Ithaca, New York)	100	2 100
		(\$ 23 440)

**History and Philosophy of Education**

1. Walter V. Kaulfers, Professor of Secondary and Continuing Education.....	100	\$ 2 223
2. B. Othanel Smith, Professor.....	100	3 634
3. W. O. Stanley, Professor.....	100	2 812
4. Joe R. Burnett, Associate Professor.....	100	2 167
5. Foster McMurray, Associate Professor.....	100	2 012
6. John R. Palmer, Associate Professor of Secondary and Continuing Education.....	100	2 012
7. ———, Assistant.....	50	500
8. ———, Assistant.....	50	500
9. ———, Assistant.....	50	500
10. ———, Visiting Lecturer.....	100	3 520
11. ———, Visiting Lecturer.....	100	2 200
12. ———, Visiting Lecturer.....	100	2 200
		(\$ 24 280)

**Home Economics**

1. Willis C. Kauffman, Associate Professor (June 15 to July 11).....	100	\$ 956
2. Glenna H. Lamkin, Assistant Professor (July 13 to August 8).....	100	845
3. ———, Assistant.....	50	512
4. ———, Visiting Lecturer.....	50	1 112
		(\$ 3 425)

**Industrial Administration**

1. E. J. DeMaris, Professor.....	50	\$ 1 445
2. Paul C. Roberts, Professor.....	50	1 406
3. B. F. Kirkpatrick, Associate Professor.....	50	1 012
4. ———, Associate Professor.....	100	2 556
5. James G. Hunt, Instructor.....	50	667
6. D. J. Laughunn, Assistant.....	50	578
		(\$ 7 664)

**Journalism**

1. Jay W. Jensen, Associate Professor.....	50	\$ 1 639
2. John H. Schacht, Associate Professor.....	25	598
		(\$ 2 237)

**Law**

1. Edward W. Cleary, Professor.....	100	\$ 4 889
2. John E. Cribbet, Professor.....	100	4 778
3. Victor J. Stone, Professor.....	100	3 045
4. J. Nelson Young, Professor.....	100	4 778
5. Wayne R. LaFave, Associate Professor.....	100	2 667
6. David C. Baum, Assistant Professor.....	100	2 334
7. Harry D. Krause, Assistant Professor.....	100	2 334
8. ———, Visiting Lecturer.....	100	3 000
		(\$ 27 825)

## Graduate School of Library Science

	<i>Per Cent Time</i>	<i>Summer Salary</i>
1. Harold Goldstein, Professor.....	100	\$ 2 545
2. Frances B. Jenkins, Professor.....	100	2 989
3. Rolland E. Stevens, Professor.....	100	2 378
4. Winifred C. Ladley, Associate Professor.....	100	2 223
5. Ann M. Fox, Instructor.....	100	1 334
6. ———, Assistant.....	100	934
7. ———, Assistant.....	100	934
8. ———, Assistant.....	100	934
9. William Chait, Visiting Lecturer.....	100	2 000
(2931 Ensley Avenue, Dayton, Ohio 45414)		
10. Lura E. Crawford, Visiting Lecturer.....	100	1 800
(919 Ontario Street, Oak Park, Illinois)		
11. John D. Henderson, Visiting Lecturer.....	100	2 534
(329 Library, University of Illinois, Urbana, Illinois)		
12. Rae Elizabeth Rips, Visiting Lecturer.....	100	2 000
(630 Merrick, Detroit 2, Michigan)		
13. Charles L. Trinkner, Visiting Lecturer.....	100	1 800
(2022 Peacock Drive, Pensacola, Florida)		
14. Heartsill H. Young, Visiting Lecturer.....	100	2 000
(1706 San Gabriel, Austin 1, Texas)		
		(\$ 26 405)

## Linguistics

1. Robert B. Lees, Associate Professor.....	100	\$ 2 889
2. Lee S. Hultzén, Professor.....	50	1 223
(See Speech and Theatre).....	(50)	(1 222)
(Total Salary).....		(2 445)
3. Henry R. Kahane, Professor.....	50	1 650
(See Spanish, Italian, and Portuguese).....	(50)	(1 650)
(Total Salary).....		(3 300)
		(\$ 5 762)

## Marketing

1. H. W. Huegy, Professor.....	100	\$ 4 089
2. Donald W. Scotton, Associate Professor.....	100	2 400
		(\$ 6 489)

## Mathematics

1. Franz E. Hohn, Professor.....	100	\$ 2 667
2. P. W. Ketchum, Professor.....	100	3 267
3. H. J. Miles, Professor.....	50	1 304
4. W. A. Ferguson, Associate Professor.....	100	2 200
5. Howard Osborn, Associate Professor.....	100	2 334
6. J. W. Peters, Associate Professor.....	50	1 234
7. H. G. Bartram, Assistant Professor.....	100	1 956
8. Hiram Paley, Assistant Professor.....	50	912
9. Clarence Phillips, Assistant Professor.....	50	834
(See Elementary Education).....	(50)	(833)
(Total Salary).....		(1 667)
10. J. R. Alexander, Jr., Instructor.....	50	834
11. J. W. Armstrong, Instructor.....	100	1 556
12. Gordon E. Brown, Instructor.....	100	1 445
13. Otto Gerstner, Instructor.....	100	1 667
14. Edmond E. Granirer, Instructor.....	50	778
15. William J. Leahy, Instructor.....	100	1 712
16. George H. Orland, Instructor.....	50	856
17. Jagdish C. Sanwal, Instructor.....	100	1 734
18. David E. Schroer, Instructor.....	100	1 712
19. Sankatha P. Singh, Instructor.....	100	1 334
20. Klaus G. Witz, Instructor.....	50	834
21. Pramod K. Pathak, Visiting Lecturer.....	100	1 889
(310 Altgeld Hall, University of Illinois, Urbana, Illinois)		



	<i>Per Cent</i>	<i>Summer</i>
	<i>Time</i>	<i>Salary</i>
22. Mahendar K. Singal, Visiting Lecturer.....	100	1 667
(241 Illini Hall, University of Illinois, Urbana, Illinois)		
23. _____, Assistant .....	100	934
24. _____, Assistant .....	100	934
25. _____, Assistant .....	100	934
26. _____, Assistant .....	100	934
27. _____, Assistant .....	100	934
28. _____, Assistant .....	100	934
29. _____, Assistant .....	100	934
30. _____, Assistant .....	100	934
31. _____, Assistant .....	100	934
32. _____, Assistant .....	100	934
33. _____, Assistant .....	50	467
34. _____, Assistant .....	50	467
35. _____, Assistant .....	50	467
36. _____, Assistant .....	50	467
37. _____, Assistant .....	50	467
38. _____, Assistant .....	50	467
39. _____, Assistant .....	50	467
40. _____, Assistant .....	50	467
41. _____, Assistant .....	50	467
42. _____, Assistant .....	50	467
43. _____, Assistant .....	50	467
44. _____, Assistant .....	33	312
45. _____, Assistant .....	33	312

(\$ 49 827)

**Mechanical and Industrial Engineering**

1. C. Dale Greffe, Professor.....	100	\$ 3 267
2. Eugene F. Hebrank, Professor.....	100	2 667
3. William L. Hull, Professor.....	50	1 478
4. Edwin D. Luke, Professor.....	100	2 756
5. James W. Bayne, Associate Professor.....	100	2 267
6. Ross P. Strout, Associate Professor.....	100	2 000
7. Robert G. Hering, Assistant Professor.....	50	1 145
8. Parker H. Badger, Lecturer.....	100	1 987
9. S. Ramalingam, Instructor.....	50	778
10. Morse B. Singer, Instructor.....	50	867
11. B. W. Spencer, Assistant.....	50	489
12. James J. Stukel, Assistant.....	50	512

(\$ 19 204)

**Microbiology**

1. F. M. Clark, Professor.....	100	\$ 2 567
2. Joan McCamish, Assistant Professor.....	100	1 778
3. Alice Helm, Assistant.....	100	934
4. _____, Assistant .....	50	467
5. _____, Assistant .....	50	467
6. _____, Assistant .....	50	467

(\$ 6 680)

**Music**

1. Bruce R. Foote, Professor.....	100	\$ 3 067
2. Scott Goldthwaite, Professor.....	100	2 867
3. Charles E. Hamm, Professor.....	100	2 445
4. Charles Leonhard, Professor.....	100	3 134
5. A. J. McDowell, Professor.....	100	2 334
6. Claire L. Richards, Professor.....	100	2 445
7. Alexander L. Ringer, Professor.....	100	2 712
8. Paul Rolland, Professor.....	50	1 423
9. Haskell O. Sexton, Professor.....	100	2 534
10. Robert H. Swenson, Professor.....	50	1 167

	<i>Per Cent Time</i>	<i>Summer Salary</i>
11. Gilbert R. Waller, Professor.....	100	2 489
12. Grace E. Wilson, Professor.....	67	1 571
13. Ludwig Zirner, Professor.....	75	2 084
14. James Louis Bailey, Associate Professor.....	100	1 956
15. Andrew Morris Carter, Associate Professor.....	25	558
16. L. Thomas Fredrickson, Associate Professor.....	100	1 889
17. Robert E. Gray, Associate Professor.....	75	1 517
18. Robert J. Hamilton, Associate Professor.....	100	2 378
19. Thomas L. Holden, Associate Professor.....	33	630
20. Colleen J. Kirk, Associate Professor.....	75	1 609
21. Everett D. Kisinger, Associate Professor.....	100	2 589
22. Edward J. Krolick, Associate Professor.....	33	630
23. Robert E. Thomas, Associate Professor.....	100	2 100
24. Edward S. Berry, Jr., Assistant Professor.....	25	437
25. Richard J. Colwell, Assistant Professor.....	50	1 000
26. James B. Lyke, Assistant Professor.....	50	834
27. F. Mark Siebert, Assistant Professor.....	50	823
28. Robert B. Smith, Assistant Professor.....	50	878
(See Child Development).....		(878)
(Total Salary).....		(1 756)
29. Malcolm Bilson, Instructor.....	100	1 489
30. Eric L. Dalheim, Instructor.....	100	1 289
31. Sven H. Hansell, Instructor.....	50	767
32. Robert W. Ruppel, Instructor.....	50	812
33. Virginia Farmer, Assistant.....	50	467
34. Gail Johnson, Assistant.....	50	467
35. Charles Rowden, Assistant.....	33	312
36. Jane E. Schleicher, Assistant.....	33	312
37. George Frock, Visiting Lecturer.....	33	400
(3044 Boxdale, Memphis 18, Tennessee)		
38. Hunter Johnson, Visiting Lecturer.....	100	1 800
(202 Theory Annex, University of Illinois, Urbana, Illinois)		
39. Virginia Nanzetta, Visiting Lecturer.....	25	234
(23 Dunellen Drive, Urbana, Illinois)		
40. Sadie Rafferty, Visiting Lecturer.....	100	2 500
(c/o Mrs. Gladys Cole, 204 Lindsey Lane, Tyler, Texas)		
41. James Robertson, Visiting Lecturer.....	50	1 150
(School of Music, Wichita University, Wichita, Kansas)		
42. Marilyn Sherman, Visiting Lecturer.....	25	311
(905 South Second Street, Champaign, Illinois)		
43. Edmund C. Williams, Visiting Lecturer.....	25	234
(303 Sunnycrest, Champaign, Illinois)		
44. _____, Visiting Lecturer.....	100	2 500
45. _____, Visiting Lecturer.....	100	934
46. _____, Visiting Lecturer.....	100	934
47. _____, Visiting Lecturer.....	50	467
48. _____, Visiting Lecturer.....	33	312
		(\$ 67 791)
<b>Nuclear Engineering</b>		
1. Felix T. Adler, Professor.....	25	\$ 934
2. Marvin E. Wyman, Professor.....	25	900
3. George H. Miley, Assistant Professor.....	100	1 989
4. Barclay G. Jones, Instructor.....	100	1 889
		(\$ 5 712)
<b>Philosophy</b>		
1. Bernard J. Diggs, Professor.....	12½	\$ 362
2. Frederick L. Will, Professor.....	12½	441
3. _____, Professor.....	100	2 889
4. Joseph Agassi, Associate Professor.....	100	2 556

	<i>Per Cent Time</i>	<i>Summer Salary</i>
5. O. A. Kubitz, Associate Professor.....	100	2 012
6. Charles E. Caton, Assistant Professor.....	100	2 000
7. Bruce C. Goldberg, Instructor.....	100	1 378
		(\$ 11 638)

**Physical Education for Men**

1. C. O. Jackson, Professor.....	100	\$ 3 478
2. T. K. Cureton, Jr., Professor.....	100	3 789
3. Alfred W. Hubbard, Professor.....	100	2 512
4. Earle F. Zeigler, Professor.....	100	2 778
5. Howard J. Braun, Assistant Professor.....	25	456
6. Ralph E. Fletcher, Assistant Professor.....	33	719
7. Roy J. Keller, Assistant Professor.....	60	894
8. William L. Hottinger, Instructor.....	60	994
9. Donald E. Leas, Instructor.....	25	306
10. Robert D. Leigh, Instructor.....	25	367
11. Bruce J. Noble, Instructor.....	100	1 334
12. Michael A. Sherman, Instructor.....	25	309
13. Peter T. Magnabosco, Assistant.....	50	528
14. A. Celeste Ulrich, Visiting Lecturer.....	100	2 500
(Box 295, Route 7, Greensboro, North Carolina)		(\$ 20 964)

**Physical Education for Women**

1. Martha A. Aly, Assistant Professor.....	50	\$ 745
2. Beulah J. Drom, Assistant Professor.....	75	1 392
3. Florence Patricia Cullen, Instructor.....	50	828
4. Marjorie M. Harris, Instructor.....	50	773
5. Annelis S. Hoyman, Instructor.....	25	364
6. Dorothy B. Phipps, Assistant.....	50	623
		(\$ 4 725)

**Physics**

1. _____, Assistant.....	50	\$ 512
2. _____, Assistant.....	50	512
3. _____, Assistant.....	50	512
4. _____, Visiting Lecturer.....	100	2 600
5. _____, Visiting Lecturer.....	100	2 600
6. _____, Visiting Lecturer.....	100	2 600
		(\$ 9 336)

**Physiology and Biophysics**

1. John D. Anderson, Associate Professor.....	100	\$ 2 434
2. Stanley G. Stolpe, Associate Professor.....	100	2 089
3. _____, Assistant.....	50	467
4. _____, Assistant.....	50	467
5. _____, Assistant.....	50	467
6. _____, Assistant.....	50	467
7. _____, Assistant.....	50	467
		(\$ 6 858)

**Political Science**

1. Edwin Hersh Fedder, Visiting Lecturer.....	100	\$ 2 223
(325 Lincoln Hall, University of Illinois, Urbana, Illinois)		
2. John H. Hallowell, Visiting Lecturer.....	100	3 734
(Department of Political Science, Duke University, Durham, North Carolina)		
3. David M. Wood, Visiting Lecturer.....	100	1 778
(Department of Political Science, University of Missouri, Columbia, Missouri)		
		(\$ 7 735)

**Psychology**

1. Lloyd G. Humphreys, Professor.....	50	\$ 2 056
2. Frank Costin, Professor.....	50	1 167

	<i>Per Cent Time</i>	<i>Summer Salary</i>
3. Jozef B. Cohen, Associate Professor.....	100	2 145
4. W. G. McAllister, Associate Professor.....	100	1 889
5. Donald T. Shannon, Associate Professor.....	100	1 889
6. Raymond W. Frankmann, Assistant Professor.....	50	945
(See Educational Psychology).....	(50)	( 945)
(Total Salary) .....		(1 890)
7. Ira Bernstein, Instructor.....	50	556
8. _____, Assistant .....	50	467
9. _____, Assistant .....	50	467
		(\$ 11 581)

**Recreation and Municipal Park Administration**

1. Charles K. Brightbill, Professor.....	100	\$ 3 956
2. Allen V. Sabora, Professor.....	100	2 823
3. Adah D. Parker, Instructor.....	50	784
		(\$ 7 563)

**Secondary and Continuing Education**

1. R. Will Burnett, Professor.....	50	\$ 1 489
(See Elementary Education).....	(50)	(1 489)
(Total Salary) .....		(2 978)
2. John J. DeBoer, Professor.....	100	2 589
3. Harold C. Hand, Professor.....	50	1 812
(See Educational Administration and Supervision).....	(50)	(1 811)
(Total Salary) .....		(3 623)
4. Kenneth B. Henderson, Professor.....	100	2 878
5. Lawrence E. Metcalf, Professor.....	100	2 389
6. Orrin E. Gould, Associate Professor.....	50	989
(See Elementary Education).....	(50)	( 989)
(Total Salary) .....		(1 978)
7. Jerry L. Walker, Assistant Professor.....	50	867
(See Educational Psychology).....	(50)	( 867)
(Total Salary) .....		(1 734)
		(\$ 13 013)

**Slavic Languages and Literatures**

1. Kurt Klein, Assistant Professor.....	100	\$ 2 067
2. Victor Terras, Associate Professor.....	50	1 023
3. Constantin Uszynski, Assistant Professor.....	100	1 623
4. Borys Bilokur, Assistant.....	100	934
5. _____, Assistant .....	50	467
6. _____, Assistant .....	50	467
7. _____, Assistant .....	50	467
		(\$ 7 048)

**Sociology**

1. E. A. Ahrens, Associate Professor.....	100	\$ 1 978
2. David J. Bordua, Associate Professor.....	50	1 167
3. _____, Instructor .....	100	1 489
		(\$ 4 634)

**Spanish, Italian, and Portuguese**

1. W. H. Shoemaker, Professor.....	100	\$ 3 778
2. Henry R. Kahane, Professor.....	50	1 650
(See Linguistics) .....	(50)	(1 650)
(Total Salary) .....		(3 300)
3. _____, Professor .....	100	2 556
4. Merlin H. Forster, Assistant Professor.....	100	1 778
5. _____, Assistant Professor.....	100	1 556
6. Warren L. Meinhardt, Assistant.....	50	667
7. _____, Assistant .....	75	700
8. _____, Assistant .....	50	467
		(\$ 13 152)

	<i>Per Cent</i>	<i>Summer</i>
	<i>Time</i>	<i>Salary</i>
<b>Special Education</b>		
1. James J. Gallagher, Professor.....	100	\$ 1 423
(June 15 to July 11)		
2. Barbara Bateman, Assistant Professor.....	100	1 667
3. ———, Visiting Lecturer.....	100	2 200
4. ———, Visiting Lecturer.....	100	1 200
5. ———, Visiting Lecturer.....	100	1 200
6. ———, Visiting Lecturer.....	50	600
		(\$ 8 290)
<b>Speech and Theatre</b>		
1. Barnard W. Hewitt, Professor.....	50	\$ 1 556
2. Lee S. Hultzén, Professor.....	50	1 222
(See Linguistics) .....	(50)	(1 223)
(Total Salary) .....		(2 445)
3. Henry L. Mueller, Professor.....	50	1 112
4. Raymond E. Nadeau, Professor.....	50	1 389
5. Severina E. Nelson, Professor.....	100	2 600
6. John Wesley Swanson, Professor.....	100	2 645
7. Clara M. Behringer, Associate Professor.....	50	1 034
(See University Theatre).....	(50)	(1 034)
(Total Salary) .....		(2 068)
8. Kenneth Burns, Associate Professor.....	50	978
9. Otto A. Dieter, Associate Professor.....	50	945
10. Karl A. Windesheim, Associate Professor.....	50	1 000
11. Chester C. Long, Assistant Professor.....	50	834
12. Lawrence W. Olson, Assistant Professor.....	50	945
13. ———, Assistant Professor.....	50	906
14. Earl W. Stark, Assistant Professor.....	100	1 667
15. Willard R. Zemlin, Assistant Professor.....	50	900
16. Joan E. Good, Instructor.....	50	573
(See Speech and Hearing Clinic).....	(50)	(572)
(Total Salary) .....		(1 145)
17. ———, .....	50	1 223
18. ———, Visiting Lecturer .....	50	875
		(\$ 22 404)
<b>Speech and Hearing Clinic</b>		
1. Naomi W. Hunter, Assistant Professor.....	100	1 556
2. Frances L. Johnson, Assistant Professor.....	100	1 645
3. Joan E. Good, Instructor.....	50	572
(See Speech and Theatre).....	(50)	( 573)
(Total Salary) .....		(1 145)
4. James N. Talley, Assistant.....	50	467
5. ———, Assistant .....	50	467
		(\$ 4 707)
<b>University Theatre</b>		
1. Clara M. Behringer, Associate Professor.....	50	\$ 1 034
(See Speech and Theatre).....	(50)	(1 034)
(Total Salary) .....		(2 068)
2. Mary H. Arbenz, Assistant Professor.....	50	934
3. Genevieve Richardson, Assistant Professor.....	75	1 342
4. Bernhard R. Works, Assistant Professor.....	75	1 334
5. Lionel H. Lawrence, Assistant.....	75	700
6. ———, Assistant .....	25	234
7. ———, Assistant .....	25	234
8. ———, Assistant .....	25	234
9. ———, Assistant .....	25	234
10. ———, Assistant .....	25	234
11. ———, Assistant .....	25	234
12. ———, Assistant .....	25	234
13. ———, Assistant .....	25	234

	Per Cent Time	Summer Salary
14. ———, Assistant .....	25	234
15. ———, Visiting Lecturer.....	75	1 166
16. ———, Visiting Lecturer.....	50	875
		(\$ 9 491)

**Theoretical and Applied Mechanics**

1. Cletus Edward Bowman, Professor.....	83	\$ 2 149
2. Paul Guy Jones, Professor.....	50	1 545
3. Clyde E. Kesler, Professor.....	25	706
4. Wallace M. Lansford, Professor.....	100	3 178
5. Omar M. Sidebottom, Professor.....	67	1 956
6. James O. Smith, Professor.....	75	2 517
7. Charles E. Taylor, Professor.....	25	706
8. Thaddeus M. Elsesser, Associate Professor.....	50	1 012
9. Robert E. Miller, Associate Professor.....	50	1 056
10. Frederick G. Bauling, Assistant Professor.....	17	312
11. George Costello, Assistant Professor.....	50	1 056
12. Russell S. Jensen, Assistant Professor.....	50	956
13. John W. Murdock, Assistant Professor.....	50	889
		(\$ 18 038)

**Vocational and Technical Education**

1. M. Ray Karnes, Professor.....	50	\$ 1 606
2. Arnold C. Condon, Professor of Business Education.....	50	1 589
3. Donald G. Lux, Associate Professor.....	100	2 378
4. Mary E. Mather, Associate Professor.....	100	1 912
5. Elizabeth R. Melson, Associate Professor of Business Education.....	50	1 200
(See Business Education).....	(50)	(1 200)
(Total Salary) .....		(2 400)
6. Elizabeth J. Simpson, Associate Professor.....	100	2 223
7. Robert M. Tomlinson, Assistant Professor.....	100	2 134
8. ———, Visiting Lecturer.....	50	1 200
		(\$ 14 242)

**Zoology**

1. F. B. Adamstone, Professor.....	100	\$ 3 000
2. Hurst H. Shoemaker, Associate Professor.....	100	1 889
3. Charles A. Long, Instructor.....	100	1 112
4. Donald L. Batch, Assistant.....	50	500
5. Thomas W. Betz, Assistant.....	50	467
6. Paul S. Killmer, Assistant.....	50	467
7. Richard E. Rayle, Assistant.....	50	467
8. Daniel H. Stern, Assistant.....	50	467
9. James T. Wallace, Assistant.....	50	467
10. Joseph J. White, Assistant.....	50	467
11. A. A. Johnson, Visiting Lecturer.....	100	1 800
(Hendrix College, Conway, Arkansas)		
		(\$ 11 103)
<i>Total, Urbana Champaign</i> .....		\$992 567

**Departmental Wages, Expense, and Equipment****Anthropology****Expense**

Arizona.....	\$ 750
Ecuador.....	250
Mexico .....	250

**Child Development**

Expense .....	400
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**Education**

Wages and Expense.....	2 245
Honoraria .....	900

	<i>Per Cent Time</i>	<i>Summer Salary</i>
Forestry Camp		
Wages.....		1 600
Expense .....		3 900
Operation and Maintenance (Camp Rabideau).....		2 300
Geography.....		300
Recreation and Municipal Park Administration		
Expense .....		1 360
Stipends for Supervisors.....		1 155
<i>Total, Wages, Expense, and Equipment.....</i>		<i>\$ 15 410</i>

## MEDICAL CENTER

## College of Pharmacy

## Chemistry

1. Charles L. Bell, Assistant Professor (June 22 to August 1)	100	\$ 1 500
2. Dominick Coviello, Assistant Professor (August 3 to September 12) .....	100	1 483
3. Bernard J. Kurtin, Instructor in Physics (June 22 to August 1) .....	100	1 167
4. McLouis J. Robinet, Instructor in Physics (August 3 to September 12) .....	100	934
5. Norman L. Hines, Assistant (June 22 to August 1).....	50	350
6. Morton J. Kanter, Assistant (August 3 to September 12)...	50	350
7. Shashi P. Mehta, Assistant (August 3 to September 12)....	50	350
8. Dennis Pogany, Assistant (June 22 to August 1).....	50	350
9. Martin Schreiber, Assistant (June 22 to August 1).....	50	350
10. Kenneth M. Solovy, Assistant (August 3 to September 12)...	50	350
		(\$ 7 184)

## Pharmacy

1. Bernard Ecanow, Associate Professor (July 20 to August 14)	100	\$ 1 100
2. Herbert M. Emig, Associate Professor (June 22 to July 17)	100	1 234
3. Frederick Siegel, Associate Professor (June 22 to July 17)...	100	1 123
4. Harold J. Rhodes, Assistant Professor (August 17 to September 12) .....	100	1 056
5. Sen-Maw Fang, Assistant (August 3 to September 12).....	50	350
6. Song-ling Lin, Assistant (June 22 to July 13).....	50	350
		(\$ 5 213)
<i>Total, Medical Center.....</i>		<i>\$ 12 397</i>

## CHICAGO UNDERGRADUATE DIVISION

## Architecture

1. Don A. Masterton, Associate Professor of Art.....	50	\$ 1 089
2. Robert K. Adams, Instructor.....	50	823
3. Roger G. Whitmer, Lecturer.....	50	1 000
4. Howard T. Fisher, Visiting Lecturer.....	100	2 667
(1060 Sheridan Road, Winnetka, Illinois)		
		(\$ 5 579)

## Art

1. John D. McNee, Professor.....	100	\$ 2 334
		(\$ 2 334)

## Biological Sciences

1. Kenneth M. Madison, Professor.....	50	\$ 1 289
2. Sidney F. Glassman, Professor.....	50	1 156
3. A. S. Rouffa, Professor.....	100	2 667
4. William Sangster, Professor.....	50	1 289
5. Max C. Shank, Professor.....	75	1 800
6. Ellis B. Little, Associate Professor.....	25	500
7. James A. Bond, Assistant Professor.....	50	834

	<i>Per Cent Time</i>	<i>Summer Salary</i>
8. John C. Hadder, Assistant Professor.....	50	917
9. John T. Newell, Assistant Professor.....	50	889
10. Halina J. Presley, Assistant Professor.....	50	889
11. Sara R. Drower, Instructor.....	50	556
12. Margaretha Woodard, Visiting Lecturer.....	50	750
(Rural Route 1, Valparaiso, Indiana)		

(\$ 13 536)

**Business Administration**

1. Samuel Fox, Professor of Accountancy.....	100	\$ 2 623
2. W. D. Grampp, Professor of Economics.....	100	2 500
3. Alfonse T. Malinosky, Associate Professor of Accountancy.....	50	1 000
4. Albert J. Schneider, Associate Professor of Accountancy.....	50	1 234
5. Daniel K. Andrews, Assistant Professor of Finance.....	100	1 678
6. William J. Dunne, Assistant Professor of Management.....	25	623
7. Carl M. Larson, Assistant Professor of Marketing.....	100	1 867
8. Lawrence Lipkin, Assistant Professor of Accountancy.....	100	1 600
9. Oscar Miller, Assistant Professor of Economics.....	100	1 712
10. Edward T. Ossman, Instructor in Accountancy.....	100	1 356

(\$ 16 193)

**Education**

1. Madelaine Shalabi, Associate Professor.....	100	\$ 1 889
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(\$ 1 889)

**Engineering**

1. Arnold C. Cobb, Professor.....	100	\$ 2 667
2. Algus Paharcus, Assistant Professor.....	100	1 956
3. Raymond Palciauskas, Instructor.....	100	1 889

(\$ 6 512)

**General Engineering**

1. C. I. Carlson, Professor.....	100	\$ 3 045
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(\$ 3 045)

**Humanities**

1. Arnold J. Hartoch, Associate Professor of Foreign Languages.....	67	\$ 1 534
2. Moreen Jordan, Associate Professor of English.....	100	1 956
3. John O. Marsh, Jr., Associate Professor of Foreign Languages.....	67	1 349
4. Ernest S. Willner, Associate Professor of Foreign Languages.....	67	1 408
5. Louis Broussard, Assistant Professor of English.....	100	1 612
6. Guinevere L. Griest, Assistant Professor of English.....	100	1 778
7. W. C. Jackman, Assistant Professor of English.....	100	1 889
8. Teddy R. Jackson, Assistant Professor of Speech.....	100	1 889
9. John H. Mackin, Jr., Assistant Professor of English.....	100	1 723
10. Kathryn H. Carlson, Instructor in English.....	100	1 512
11. Janice M. Crews, Instructor in Speech.....	100	1 689
12. Joseph L. Gray, Instructor in Foreign Languages.....	67	890
13. Lucy Hegie, Instructor in English.....	100	1 512
14. Dolores Keranen, Instructor in English.....	100	1 156
15. Irving S. Olsen, Instructor in Foreign Languages.....	67	949
16. Henry B. Russell, Instructor in Foreign Languages.....	67	890
17. Nancy A. Tomasek, Instructor in Foreign Languages.....	67	830
18. Basil E. LaGoudes, Assistant in English.....	100	1 023
19. Vera F. C. Land, Assistant in Foreign Languages.....	67	712
20. Ronald J. McCaig, Assistant in English.....	100	1 112

(\$ 27 413)

**Mathematics**

1. Irwin K. Feinstein, Professor.....	83	\$ 1 963
2. Flora Dinkines, Associate Professor.....	100	2 223
3. Furio Alberti, Assistant Professor.....	100	1 834



	<i>Per Cent Time</i>	<i>Summer Salary</i>
4. Winifred Berglund, Instructor.....	100	1 623
5. W. M. Henderleiter, Instructor.....	83	1 112
6. Roger G. Hill, Instructor.....	83	1 315
7. U. Stanley Naikelis, Instructor.....	100	1 423
8. Grace M. Nolan, Instructor.....	50	778
9. Charles E. Olsen, Instructor.....	83	1 297
10. Thomas B. Ondrak, Instructor.....	83	1 297
11. Marion L. Rummel, Instructor.....	83	963
12. Helen W. Sears, Instructor.....	83	1 278
13. Laurence Sjoblom, Instructor.....	83	1 204
14. Leo Ziomek, Instructor.....	83	1 204
		(\$ 19 514)

**Physical Education**

1. Peter R. Berrafato, Associate Professor of Physical Education for Men.....	50	\$ 989
2. Leo L. Gedvilas, Associate Professor of Physical Education for Men.....	50	1 067
3. Benedict Montcalm, Assistant Professor of Physical Education for Men.....	50	878
4. George J. Strnad, Assistant Professor of Physical Education for Men.....	50	789
5. Robert J. Beck, Assistant in Physical Education for Men...	50	556
6. Loretta A. Browksi, Assistant in Physical Education for Women.....	100	1 112
7. James Descourouez, Assistant in Physical Education for Men.....	50	556
8. Thomas F. Russo, Assistant in Physical Education for Men	50	556
		(\$ 6 503)

**Physical Sciences**

1. Carl R. Meloy, Professor of Chemistry.....	100	\$ 3 112
2. R. W. Karpinski, Professor of Geology.....	100	2 489
3. Joseph Bachrach, Associate Professor of Chemistry.....	100	2 089
4. H. J. Mueller, Associate Professor of Chemistry.....	100	1 956
5. Samuel Schrage, Associate Professor of Chemistry.....	100	2 089
6. Anatol Gottlieb, Assistant Professor of Chemistry.....	100	1 778
7. John F. Steiner, Assistant Professor of Chemistry.....	100	1 778
8. John W. Weldon, Assistant Professor of Chemistry.....	100	1 945
9. Sabine A. Casten, Instructor in Chemistry.....	100	1 334
10. John W. Cowin, Instructor in Chemistry.....	67	1 126
11. Shafeek Farag, Instructor in Chemistry.....	75	1 067
12. Donald D. Hedberg, Instructor in Chemistry.....	100	1 467
13. Elaine Z. Herzog, Instructor in Chemistry.....	100	1 467
14. Thomas A. Lothian, Instructor in Chemistry.....	100	1 334
15. G. I. Sackheim, Instructor in Chemistry.....	100	1 689
16. Frances K. Seabright, Instructor in Chemistry.....	83	1 297
		(\$ 28 017)

**Physics**

1. Herman J. Johnson, Associate Professor.....	100	\$ 2 067
2. H. B. Weissman, Associate Professor.....	33	778
3. Harold M. Skadeland, Associate Professor.....	100	2 445
4. Ogden Livermore, Assistant Professor.....	100	1 756
5. Fishel E. Moraine, Assistant Professor.....	100	1 845
6. A. F. Silkett, Assistant Professor.....	100	1 867
7. James W. Wilbur, Instructor.....	100	1 534
8. Robert H. Krupp, Visiting Lecturer.....	100	1 845
		(\$ 14 137)

**Social Sciences**

1. Hollis W. Barber, Professor of Political Science.....	100	\$ 3 112
2. Alden D. Cutshall, Professor of Geography.....	100	2 756

	<i>Per Cent Time</i>	<i>Summer Salary</i>
3. D. J. Morris, Professor of Philosophy.....	100	2 445
4. Twiley W. Barker, Jr., Associate Professor of Political Science.....	100	2 156
5. Robert E. Corley, Associate Professor of Sociology.....	100	2 112
6. Milton Rakove, Associate Professor of Political Science....	100	1 889
7. Vivian C. Lipman, Assistant Professor of Psychology.....	100	1 612
8. Nan E. McGehee, Assistant Professor of Psychology.....	100	1 612
9. Mildred Kornacker, Instructor in Sociology.....	50	689
10. Robert R. Page, Instructor in Philosophy.....	100	1 512
11. William B. Roosa, Instructor in Anthropolgy.....	67	949
12. Pinkney C. Smith, Instructor in History.....	67	919
13. Charles P. Warren, Instructor in Anthropology.....	67	1 008
14. ———, Visiting Lecturer in History.....	67	1 400
15. ———, Visiting Lecturer in History.....	67	1 300
16. ———, Visiting Lecturer in Psychology.....	67	1 250
17. ———, Visiting Lecturer in History.....	67	1 200
18. ———, Visiting Lecturer in History.....	67	1 100
19. ———, Visiting Lecturer in History.....	67	1 000
20. ———, Visiting Lecturer in History.....	67	900
21. ———, Visiting Lecturer in History.....	67	800
22. ———, Visiting Lecturer in Political Science.....	50	900
		(\$ 32 621)
<i>Total, Chicago Undergraduate Division.....</i>		<i>\$177 293</i>

On motion of Mr. Williamson, these appointments and the summer session budget for 1964 were approved, and authority was given as requested; this action was taken by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

At this point, Mr. Page asked to be excused from the meeting to go to another meeting in which he was also officially involved.

#### DEPOSIT REQUIREMENT FOR STUDENTS

(4) The Board of Trustees has approved a Progressive Admissions Program for undergraduate students, which became effective in September, 1961. Such a plan was necessary because available facilities and staff were inadequate to meet increases in enrollment in all undergraduate programs.

To administer the plan effectively, the Board also approved a requirement of a non-refundable deposit of \$30 on tuition and fees from new undergraduate domestic students, to be made before a permit to enter is issued, as a means of obtaining a serious commitment from students that they intend to enroll. Approximately 91 per cent of those who have made this deposit during the past three years have registered. Prior to the inauguration of the deposit plan approximately 68 per cent of those who received permits registered.

It is now obvious that available facilities and staff will be inadequate to meet anticipated increases in enrollment in all undergraduate and graduate programs. Therefore, to insure the maximum use of facilities by the University, and to insure continuing students of appropriate class schedules, the Committee on Fees presents the following recommendations:

1. The requirement of a non-refundable deposit of \$30 on tuition and fees of all students who are registered during a given semester and who wish to register for the following semester except those who have received or who have been assured of exemption from tuition and fees as a result of an undergraduate scholarship or a graduate award of a fellowship, assistantship, or tuition and fee waiver. Doctoral candidates who have passed the preliminary examination are also exempt from the payment of this deposit. The procedure to be followed, using the first semester of a given year as an example, will be:

- a. Students who are registered during the second semester and who wish to register for the first semester of the next year will confer during the second semester with an adviser and request tentative class assignments.
  - b. Class assignments will be finalized by the Office of Admissions and Records and class schedules will be mailed to students during the summer. At that time the student will be asked to make the deposit on tuition and fees.
  - c. Upon receipt of the deposit the student will be notified that the University assures him of the schedule mailed to him and will definitely hold a place for him.
2. The requirement of a non-refundable deposit of \$30 on tuition and fees of all students who are registered at the Chicago Undergraduate Division during a given semester and who wish to register on the Urbana campus for the following semester. The same procedures would apply as indicated under 1 above.
  3. The requirement of a non-refundable deposit of \$30 on tuition and fees of all new College of Law students.
  4. The requirement of a non-refundable deposit of \$30 on tuition and fees of all readmitted students.
  5. The requirement of a non-refundable deposit of \$30 on tuition and fees of all new domestic graduate students. Graduate students assured of the award of a fellowship, assistantship, or tuition and fee waiver will be permitted to confirm their intention to enroll without payment of the advance deposit.

It is further recommended that the Office of Admissions and Records be authorized, in cooperation with the Business Office, to establish for each campus the semesters or sessions for which the deposit on tuition and fees is required beginning with the first semester of 1964-65; to establish the dates for deadlines on the acceptance of the deposit on tuition and fees; and to implement all other aspects of this deposit plan.

I concur.

On motion of Mr. Hughes, these recommendations were approved.

#### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(5) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations from the University General Reserve:

##### *Urbana-Champaign*

1. College of Fine and Applied Arts—School of Music, replacement of pianos .....\$24 300
2. College of Physical Education, replacement of netting in the Armory for the protection of persons during golf and baseball practice..... 4 500
- Total*.....\$28 800

I concur.

On motion of Mr. Swain, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner, Mr. Page.

#### PROCUREMENT OF COMPUTER SYSTEM FOR COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

(6) The Dean of the College of Commerce and Business Administration, the Executive Vice-President and Provost, and the Vice-President and Comptroller recommend the acquisition of a computing system for the College.

The College has had a very small installation of punch card data processing equipment for several years. However, in order to have appropriate equipment for both teaching and research purposes, especially at the graduate level, it is necessary to update this equipment and provide a computer system which will be a representative and adequate facility on which instructional, research data processing, and simulation procedures can be performed.

In the study of equipment to be used, full cognizance has been given to the basic need, educational goals to be obtained, existing equipment on the Urbana

campus which could be used for the proposed work, and the relative costs involved.

The IBM 1620 system has been selected because of its capacity to satisfy the basic computer needs of the College and it is completely compatible with existing electronic data processing equipment in the Statistical Service Unit and the high speed-large capacity IBM 7094-1401 computer system in the Digital Computer Laboratory.

It is recommended that an IBM model 1620 computer system with ancillary equipment be acquired from the IBM Corporation as follows: purchase of Model 1620 Computer System complete with one central processing unit, one card read punch, one core storage unit, one tape control unit, and three magnetic tape drive units, at a price of \$104,638; contract for maintenance service costs for the computer at \$4,032 a year; and rental of ancillary equipment including one each accounting machine, card sorter, verifier, and calculating punch, and three key punch units at a cost of \$3,986.40 a year.

The prices quoted by the International Business Machines Corporation include a 60 per cent educational discount.

I concur and recommend an appropriation of \$104,638 from the University General Reserve for the purchase of the equipment. The annual rental and maintenance costs will be provided for in the College budgets for 1964-65 and subsequent years.

On motion of Mrs. Watkins, the purchase of this equipment was authorized, and the requested assignment of funds was made by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner, Mr. Page.

#### **CONTRACT FOR INSTALLATION OF SPRINKLER SYSTEMS IN SEVEN BUILDINGS**

(7) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$147,789 to Roy R. Anderson, William R. Chance, and Orville R. Zobrist, a partnership doing business as Ace Sprinkler Company, East Peoria, the lowest bidder, for installation of sprinkler systems in seven buildings: Davenport Hall, west unit, exclusive of southwest wing; Civil Engineering Hall; Mumford Hall, basement; Lincoln Hall, basement and stage; English Building, east unit; Law Building, part of basement; and Natural History Building, north unit.

Funds are available in the 1963-65 state capital appropriations to the University for Protection of Life and Property and in the Universities Building Fund, and have been released.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner, Mr. Page.

#### **CONTRACT FOR STEAM SERVICE TO DEPARTMENT OF CHILDREN AND FAMILY SERVICES IN THE MEDICAL CENTER DISTRICT**

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract with the Department of Children and Family Services for steam service from the Medical Center Steam Company plant to a small office building which is being constructed in the Medical Center District west of Damen Avenue between Taylor and Grenshaw Streets, said contract to be on the same basis as University contracts with other consumers of steam in the Medical Center District supplied by the Company.

The requirements for this building will not exceed 2,500 pounds per hour maximum demand, which is within the capacity of the present plant and distribution system.

I concur.

On motion of Mr. Pogue, this contract was authorized by the fol-

lowing vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner, Mr. Page.

**CONTRACT FOR STEAM SERVICE TO DEPARTMENT  
OF MENTAL HEALTH CHILD DEVELOPMENT BUILDING**

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract with the Department of Mental Health for steam service from the Medical Center Steam Company plant to a Child Development Building which is being constructed in the Medical Center District south of Taylor Street between Damen and Hoyne Avenues, said contract to be on the same basis as University contracts with other consumers of steam supplied by the Company.

The requirements of this Child Development Building will not exceed 10,000 pounds per hour maximum demand, which is within the capacity of the present plant and distribution system.

I concur.

On motion of Mrs. Watkins, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent Mr. Dilliard, Mr. Kerner, Mr. Page.

**EMPLOYMENT OF ARCHITECTS FOR THE FLORIDA AVENUE  
RESIDENCE HALL**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of Richardson, Severns, Scheeler, and Associates, Champaign, and Fugard, Burt, Wilkinson, and Orth, Chicago, for architectural services for the proposed Florida Avenue Residence Hall at a fee of 5¼ per cent of the construction contracts; and if there is a duplication of buildings, a fee of 4 per cent for the first building to be duplicated and a lower, negotiated fee if any other buildings are duplicated.

Costs will be paid from the proceeds of a revenue bond issue when the bonds are sold and will be financed temporarily from the Stores and Services Trust Account.

I concur.

On motion of Mr. Swain, this recommendation was approved.

**EMPLOYMENT OF COST CONSULTANTS  
ON CONGRESS CIRCLE LECTURE CENTER**

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of McKee-Berger, Mansueto, Inc., 300 West Washington, Chicago, for development of an estimate of the cost of the general work on the construction of the Lecture Center at Congress Circle, at a rate of \$12 per hour, with a maximum cost of \$4,500.

Funds are available in the construction budget for Congress Circle.

I concur.

On motion of Mr. Swain, this recommendation was approved.

**PUBLICITY SERVICES FOR THE ASSEMBLY HALL**

(12) The Director of Auxiliary Services and the Vice-President and Comptroller recommend authorization of a contract for the services of Mr. Herbert J. Dotten, Park Forest, Illinois, for preparation of promotional material, and for professional counsel, with respect to promotional media for programs in the Assembly Hall from January 1 to April 30, 1964, and from September 1, 1964, to May 30, 1965, at a rate of \$1,250 per month.

Mr. Dotten handles publicity and promotion for several state fairs throughout the midwest, which requires his time from May to September. Consequently, he is not interested in continuous work for the University, but the contract period indicated coincides with the schedule of public events in the Assembly Hall.

The cost of these services will be charged to the operating budget of the Assembly Hall.

I concur.

On motion of Mr. Williamson, this recommendation was approved.

#### **ADDITION TO CONTRACT FOR CONSTRUCTION OF ASSEMBLY HALL**

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$4,291.16 in the contract with Felmley-Dickerson Company, Urbana, for construction of the Assembly Hall. The additional cost is for extended operation of well points during excavation of earth in the center portion of the Assembly Hall.

Funds are available in the project budget.

I concur.

On motion of Mr. Hughes, this change in contract was authorized.

#### **MIDWEST UNIVERSITIES CONSORTIUM INCORPORATED**

(14) The Ford Foundation has made a grant of \$3,500,000 to Indiana University, Michigan State University, the University of Illinois, and the University of Wisconsin for the organization and operation of a "Midwest Universities Consortium for International Activities, Incorporated." The four universities will organize and incorporate the new Consortium to receive and administer the Ford Foundation grant.

The Consortium will enable the four universities to enter as a group into contracts for overseas operations, thus increasing the abilities of the university members to render more effective educational and technical services abroad; to augment the supply of personnel for international services for overseas work and utilize their knowledge and experience for campus teaching and research programs, thus increasing knowledge about significant problems in less developed areas; to offer an internship program for graduate students to assist in the work of the universities' overseas projects; to provide research grants for faculty and graduate students at overseas project sites; and to enrich regular campus teaching and research programs through seminars and printed materials based on the knowledge accumulated in the projects abroad.

The four universities will be represented on a Council of Institutional Members which will elect a Board of Directors, which, in turn, will elect an Executive Director. The Executive Director will be charged with the administration of the affairs of the Consortium and will be responsible to the Board of Directors.

Under the Consortium, each university will conduct its own international activities, but each will be assisted by the Consortium. The Ford Foundation grant will make possible programs which heretofore it has not been possible for the universities to carry on because of insufficiency of funds. The creation of the Consortium will enable the four universities to undertake tasks beyond the resources of any one of them. Improvement in overseas operations will result from the pooling of manpower resources, and from the full exchange of information by the four universities. The member universities will underwrite the office expenses of the Consortium, including salaries of the Executive Director and his staff, by paying an annual membership fee of \$20,000.

I recommend that the Board of Trustees formally approve participation of the University of Illinois in this program, and that officers of the University be authorized to take such steps as may be necessary to provide for its representation in the Consortium and for its incorporation.

On motion of Mr. Swain, this recommendation was approved, and authority was given as recommended.

#### **GRANT FOR EXPANSION OF NON-WESTERN PROGRAMS**

(15) The Ford Foundation has made a grant of \$800,000 for a period of five years to the University of Illinois for expansion of its non-Western programs. The grant will help the University establish an International Comparative Studies Center and assist in the development of an Asian Study Center and in strengthening the Latin-American Studies Center. The fund will also help in the recruitment of additional faculty members and will provide travel expenses for overseas research.

Details of administrative organization and of curricula or of programs developed under the grant will be subject to the standard approvals as required. I recommend acceptance of this grant.

On motion of Mr. Johnston, this grant was accepted.

#### BEQUEST OF JAMES M. LOVELLETTE

(16) The University has received a bequest of \$5,000 from the estate of the late James M. Lovellette of Chicago. I recommend that this bequest be accepted and that it be used for the benefit of students at the Medical Center.

The First National Bank of Chicago, executor of the estate, has requested that the following resolution be adopted:

#### Resolution

WHEREAS, James M. Lovellette, a resident of Chicago, Illinois, departed this life on November 20, 1962, leaving a last will and testament which has been duly admitted to probate in Cook County, Illinois, and which contains provisions for a bequest as follows, said bequest having been confirmed in a Circuit Court decree entered 12/16/63 in the Circuit Court of Cook County, Illinois;

#### Article Sixth (28)

The sum of Five Thousand Dollars (\$5,000.00) to the University of Illinois, as a Memorial Fund in memory of the late Dr. Count Lovellette, who died in the service of our country in 1918;

Now, Therefore, be it, and it is hereby, resolved by this Board of Trustees of the Board of Trustees of the University of Illinois that the said bequest be and the same is hereby accepted by the said public corporation for the uses and purposes therein set forth and

Be it further resolved that C. C. DeLong as Bursar of said public corporation be and he is hereby authorized to accept payment on behalf of said public corporation of said bequest, and to execute and deliver to the First National Bank of Chicago as Executor of the last will and testament of the said James M. Lovellette, deceased, the receipt of the said public corporation in satisfaction thereof.

On motion of Mrs. Watkins, the foregoing resolution was adopted.

#### PURCHASES

##### Purchases Authorized

(17) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

##### Purchases from Appropriated Funds

Item	Department	Vendor	Cost
Print and bind 30,000 copies Undergraduate Study, 1963-64, trim size 6 in. by 9 in., approximately 368 pages per copy	University Press	George Banta Co., Chicago	\$11 089 40 f.o.b. delivered

##### Purchases from Institutional Funds

Item	Department	Vendor	Cost
Two linear amplifier power supply groups, 1000 watts CW, 208V, 50/60 cycle operation, frequency output 2 to 32 mc, input drive for full output, 6.1 watt output impedance 50 to 600 ohms	Coordinated Science Laboratory	The Technical Material Corp., Marmaroneck, N.Y.	\$7 554 30 f.o.b. delivered

On motion of Mr. Johnston, these purchases were approved.

### Purchases Recommended

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

#### *Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of photographic equipment consisting of enlargers, cameras, paper cutter, exposure meters, developing equipment, etc.	Architecture and Art, Chicago Undergraduate Division	Maklo Camera, Chicago Norman-Willelt, Chicago Standard Photo Supply, Chicago	\$ 2 500 26 1 857 75 350 00 (4 708 01)
Construct metal building, 18 ft. by 32 ft., one story, surface mounted, with single slope roof, at University Dairy Farm between existing mix mill structure and silo	Dairy Science	Harshbarger Building & Supply Co., Urbana	2 590 65 f.o.b. delivered and erected
Construct one-story, steel prefabricated building, at University Dairy Farm, Urbana, with dimensions 24 ft. wide, 60 ft. long, 12 ft. high to eaves, to be used to shelter dairy cattle	Dairy Science	Harshbarger Building & Supply Co., Urbana	6 335 16 f.o.b. delivered and erected
Three oscilloscopes, dual trace, DC to 500 K.C. with null readout plug-in unit, 1 per cent accuracy	Electrical Engineering	Analog Instrument Corp., c/o Bard Associates, La Grange	3 135 00 f.o.b. Cedar Grove, N.J.
Three oscilloscopes, with internal graticule, dual trace, sweep range of 0.05 microseconds to 2 seconds/cm, and delayed sweep of 20 nanoseconds to 5 seconds/cm	Electrical Engineering	Fairchild Du Mont Laboratories, Chicago	4 662 95 f.o.b. Urbana
One 16 mm. motion picture camera and accessories	Illustration Studios, Medical Center	Behrend's Inc., Chicago	11 124 94 delivered
Print and bind 20,000 copies <i>Time Table</i> for summer session of 1964, trim size 5½ in. by 8½ in., approximately 136 pages per copy	Summer Session	George Banta Co., Chicago	2 711 00 f.o.b. delivered
Print and bind 10,000 copies <i>Undergraduate Courses</i> , 1963-64, trim size 6 in. by 9 in., approximately 236 pages per copy	University Press	Braun & Brumfield, Inc., Ann Arbor, Mich.	2 970 00 f.o.b. delivered

#### *Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Electronic testing equipment consisting of one distortion analyzer, one digital voltmeter, one electronic frequency function generator, one VHF signal generator, and one electronic counter	Aeromedical Laboratory, Medical Center	Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago	\$ 4 849 50 f.o.b. Loveland, Colo. and Palo Alto, Calif.
Data processing equipment consisting of one processing unit, one card-read punch, one core storage, one magnetic tape control unit, and one magnetic tape unit	Aeromedical Laboratory, Medical Center	International Business Machines Corp., River Forest	89 968 00 f.o.b. factory
340 cases of paper containers and paper specialties for use during one-year period	General Stores, Medical Center and Chicago Undergraduate Division	Levin Bros. Paper Co., Chicago	4 400 85 delivered
One ergometer and one mounting table	Medicine, Medical Center	Medtron Associates, Inc., Chicago	2 640 00 f.o.b. New York, N.Y.
40,000 paper garbage bags, double wall construction, dimensions 14½ in. by 14½ in. by 44½ in.	Physical Plant, Chicago	Chukerman Paper Co., Chicago	4 157 60 delivered
Envelopes, white wove commercial, plain and window, as follows: 1,000,000 No. 10, size 4½ in. by 9½ in. 500,000 No. 6½, size 3½ in. by 6½ in. 250,000 No. 9, size 3½ in. by 8½ in.	Various departments, Urbana and Chicago	Columbia Envelope Co., Melrose Park	5 799 00 f.o.b. delivered



Item	Department	Vendor	Cost
342,000 file folders, letter and legal size, tag manila, medium weight, for both the Urbana and Chicago branches; this is an estimated ten to twelve months' supply	Office Supply Storeroom, Urbana and Chicago	Standard Stationery Supply, Chicago	\$ 3 800 96 f.o.b. delivered
Group 1—25,000 reams paper, No. 4 sulphite spirit fluid duplicator, white	Office Supply Storeroom, Urbana and Chicago	Dwight Brothers Paper Co., Chicago	61 157 43
Group 2—8,622 reams paper, 25 per cent and 50 per cent rag bond, water-marked, white and colored		Group 3	
Group 3—95,928 reams paper, No. 4 sulphite mimeograph bond, white and colored		Decatur Paper House, Inc., Decatur	
Group 4—45,810 reams paper, sulphite offset, white and colored		Group 1	16 787 50
Group 5—1,645 reams paper, machine coated, letterpress enamel book paper, white		Group 4	53 527 30
Group 6—242 reams paper, sulphite cover paper, antique finish, white and colored		Group 7	14 610 00
Group 7—1,500 reams paper, English finish book paper, white		Hollis & Duncan Co., Chicago	2 721 18
Group 8—10,300 reams paper, onion-skin and manifold paper, white and canary		Group 6	
Group 9—124,600 sheets paper, No. 1 sulphite index white and colored		Group 8	9 934 40
		Group 9	4 267 98
		West Virginia Pulp & Paper, Chicago	19 956 70
		Group 5	
		Midland Paper Co., Chicago	
		Group 2	24 062 37 (207 024 86) f.o.b. delivered
Two environmental growth chambers for use in the research on the growth of corn plants under varying conditions; each chamber is to be 66 in. long by 30 in. wide by 52 in. high, and will provide controlled conditions for temperature, light, and humidity	Agronomy	Percival Refrigeration & Manufacturing Co., Inc., Boone, Iowa	6 675 00 f.o.b. delivered
One time-temperature program control system consisting of control center, strip chart potentiometer recorder, rectifier power unit, current limiter, current transformer, soak timer, and interrupter slope timer	Ceramic Engineering	Barber-Colman Co., Industrial Instruments Division, Chicago	2 773 60 f.o.b. delivered
One dichograph, a recording instrument for measuring the circular motion of light in the visible and ultraviolet region of molecules	Chemistry and Chemical Engineering	Baird-Atomic, Inc., Cambridge, Mass.	27 500 00 f.o.b. delivered
One spectrophotometer, recording with 7500 Å grating having 0.1+1.2 absorbance for use in research on elucidation in chemical bonding in complex compounds	Chemistry and Chemical Engineering	Applied Physics Corp., Chicago	20 740 00 f.o.b. delivered
One X-ray generator and control, 5KV 50 MA	Chemistry and Chemical Engineering	Picker X-Ray Corp., Chicago	3 915 00 f.o.b. delivered
One tube, X-ray diffraction, four-window			
To be used with existing X-ray equipment			
One precession camera	Chemistry and Chemical Engineering	Charles Supper Co., Inc., Watertown, Mass.	3 520 00 f.o.b. delivered
One Weissenberg camera, non-integrating			
Both to be complete with goniometer head, layer line screens, beam trap, collimator, base mount plate and oil container; they are to be mounted on top of existing X-ray equipment and used to take X-ray pictures at different angles			
One magnetic core matrix stack (transfer memory)	Digital Computer Laboratory	Electronic Memories, Inc., c/o Withers, Ropek, & Cahill, Inc., Chicago	15 400 00 f.o.b. Hawthorne, Calif.
One oscilloscope, DC to 450 KC, sweep range 1 microsecond to 1/2 second/cm	Electrical Engineering Research Laboratory	Tektronix, Inc., Park Ridge	2 735 00 f.o.b. Beaverton, Ore.
One oscilloscope, DC-30 MC with 100 times multiplier			
One dual trace plug-in amplifier			
One wide-band plug-in amplifier			
One fast-rise amplifier			
One scope cart			
Four probes			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One recorder, 19-in. chart, mobile, with marking amplifier and power supply, one each $\frac{1}{4}$ second and $\frac{1}{10}$ second drive assembly, paper feeds of 3.6 in. and 12 in. minute, dynamic balancing, and twelve rolls chart paper	Electrical Engineering Research Laboratory	Alden Electronic & Impulse Recording Equipment Co., Inc., Westboro, Mass.	\$ 3 081 02 f.o.b. Westboro, Mass.
One potentiometer, six-dial, ranges 0 to 111, 111.0 and 0 to 111,111.10 microvolts in steps of .01 microvolts	Physics	Minneapolis-Honeywell Regulator Co., Harvey	4 000 00 f.o.b. Denver, Colo.
One spectrometer, reconditioned, 100 sample capacity, dual channel, automatic liquid scintillation system, complete with a new system warranty	Plant Pathology	Packard Instrument Co., Inc., La Grange	7 541 00 f.o.b. delivered
One offset duplicator to print on stock from 3 in. by 5 in. to 11 in. by 17 in. with maximum printing area of 10 $\frac{1}{2}$ in. by 16 $\frac{1}{2}$ in., equipped with work organizer, flexible light fixture, and automatic blanket cleaning attachment	Vocational and Technical Education	Maginn Office Equipment Co., Champaign	3 814 20 f.o.b. delivered and installed
Print and bind 1,500 copies <i>Hydrogeology</i> , edited by Albert V. Carozzi, approximately 160 pages per copy, trim size 6 in. by 9 in.	University Press	Pantagraph Printing & Stationery Co., Bloomington	2 455 55 f.o.b. delivered
Print and bind 3,000 copies <i>Pride and Power</i> , by Vernon Van Dyke, approximately 288 pages per copy, trim size 6 in. by 9 in.	University Press	Pantagraph Printing & Stationery Co., Bloomington	4 800 67 f.o.b. delivered
Six panelboards, lighting Eighteen panelboards, power 278 circuit breakers and miscellaneous trim	Physical Plant	Springfield Electric Supply Co., Urbana	3 237 78 f.o.b. delivered
As stock for the Physical Plant Store-room for electrical jobs on the Urbana campus			
Campus charter intracampus busservice for students, faculty, staff, and other authorized passengers, for the period February 1, 1964, through June 30, 1965 (Note: This purchase will be from both Institutional Funds, \$90,998.00, and Appropriated Funds, \$18,200.00, for a total of \$109,198.00.)	Physical Plant	Champaign-Urbana City Lines, Inc., Chicago	90 998 00 estimated expenditure
Twelve automobiles, 1964 models, sedans, four door, V-8 engine, automatic transmission, less trade-in of 1962 models with six-cylinder engines	Physical Plant	Rhodes Chevrolet, Farmer City Twelve automobiles Rossetter Motor Co., Peoria	10 399 04
One automobile, 1964 model, station wagon, nine passenger, V-8 engine, automatic transmission, less trade-in of 1962 model		One station wagon Courtesy Motor Sales, Inc.	895 00
One automobile, 1964 model, police car, less trade-in of 1963 model police car		One police car	1 056 04 (12 350 08) f.o.b. delivered

On motion of Mr. Johnston, these purchases were authorized.

#### COMPTROLLER'S REPORT OF CONTRACTS

(18) The Comptroller's report of contracts executed during the period December 1 to 31, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Air Force AF49(638)-1292	Techniques for minimizing forgetting	\$ 30 373 00	December 1, 1963
United States Defense Atomic Support Agency DA-49-146-XZ-218	Confidential	230 000 00	December 6, 1963
United States Department of Health, Education, and Welfare OE-4-10-075	Materials and methods of teaching preprofessional courses in educational psychology	6 918 00	December 1, 1963
United States Navy Nour(G-00022-64)	Toxic and lethal substances from burned normal human skin	5 000 00	October 22, 1963

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Office of Civil Defense OCD-QS 63-98	Preparation of guide for design and modification of public garages to meet emergency requirements for public shelters	\$ 39 660 00	June 7, 1963
<b>Total</b>		<b>\$311 951 00</b>	

**Leases**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Business Machines Corp.	Two items: \$604.80 to \$20,438.40	\$21 043 20	September and November, 1963

**Contract Changes**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Air Force AF01(611)-1377	Provide flight instruction to twenty-one students	\$ 3 300 33	December 9, 1963
United States Atomic Energy Commission AT (11-1)-415	Research on electronic high-speed digital computers for month of November, 1963	50 000 00	November 1, 1963
United States Atomic Energy Commission AT (11-1)-415	Research on electronic high-speed digital computers for month of December, 1963	50 000 00	December 1, 1963
United States Atomic Energy Commission AT (11-1)-791	Effect of X-ray irradiation on enzymatic activity and nucleic acid metabolism in seeds and seedlings of Zea mays	20 000 00	November 1, 1963
United States Atomic Energy Commission AT (11-1)-1195	Research in elementary particle physics	100 000 00	November 15, 1963
United States Atomic Energy Commission AT (11-1)-1198	Use charge for portion of Materials Research Laboratory used in commission supported research	100 000 00	November 15, 1963
<b>Total</b>		<b>\$323 300 33</b>	

**Adjustments Made in 1963-64 Cost-Plus Contracts**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
George S. Grimmert & Co. (Plastering)	Thirty-five items: \$107.57 deduct to \$765.84	\$ 2 853 26	November and December, 1963

**Summary**

Amount to be paid to the University	\$635 251 33
Amount to be paid by the University	23 896 46

This report was received for record.

**INVESTMENT REPORT****Report of the Finance Committee**

(19) The Finance Committee reported the following changes in investments of endowment and other funds for the month of November, 1963:

*Chicago — Stebinger Memorial Library Fund*

<b>Sale</b>		
6 shares	Continental Oil Company common stock	\$ 337 38

*Merriam Special*

<b>Purchase</b>		
460 shares	Atlantic Refining Company common stock	\$ 24 950 72

*Pool*

<b>Purchase</b>		
\$ 10 000	U. S. Treasury bonds 4 per cent 8/15/72	\$ 9 965 63
7/100 shares	Commonwealth Edison common stock	3 20

**Report of the Comptroller**

The Comptroller reports the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

*Current Funds*

Restricted Group (June 20, 1962)

<b>Purchase</b>			
\$ 500 000	U. S. Treasury bills	1/16/64	\$ 496 684 17
1 500 000	First National Bank of Chicago Certificates	6/1/64	1 500 000 00
500 000	First National Bank of Chicago Certificates	6/15/64	500 000 00
500 000	CIT Financial Corporation notes	6/29/64	487 675 35
500 000	GMAC notes	6/29/64	487 675 34
500 000	General Electric Credit Corporation notes	6/29/64	487 675 35
300 000	Beneficial Finance Co. notes	7/15/64	292 605 21
1 000 000	Continental Illinois National Bank Certificates	9/1/64	1 000 000 00
500 000	Harris Trust Certificates	9/1/64	500 000 00
1 000 000	Continental Illinois National Bank Certificates	11/12/64	1 000 000 00
400 000	Harris Trust Certificates	11/12/64	400 000 00
<b>Withdrawals</b>			
\$ 900 000	Harris Trust Special Account		\$ 900 000 00
2 000 000	Continental Illinois National Bank Special Account		2 000 000 00
2 000 000	First National Bank of Chicago Special Account		2 000 000 00
<i>Construction Funds</i>			
<i>Assembly Hall (June 23, 1959, and March 17, 1962)</i>			
<b>Purchase</b>			
\$ 275 000	U. S. Treasury bills	2/13/64	\$ 272 667 31
13 000	U. S. Treasury bills	3/12/64	12 846 53
<i>Chicago — Congress Circle Union (June 19, 1963)</i>			
<b>Purchase</b>			
\$ 116 000	U. S. Treasury bills	3/5/64	\$ 114 722 45
<i>Illini Union and Health Center (December 21, 1960)</i>			
<b>Sale</b>			
\$ 83 000	U. S. Treasury notes	3 $\frac{7}{8}$ per cent 5/15/65	\$ 83 000 00
<b>Purchase</b>			
\$ 189 000	U. S. Treasury notes	3 $\frac{7}{8}$ per cent 5/15/65	\$ 189 000 00
<i>Illinois Street Residence Halls (October 17, 1962)</i>			
<b>Sale</b>			
\$ 35 000	U. S. Treasury bills	12/12/63	\$ 34 877 34
510 000	U. S. Treasury notes	3 $\frac{7}{8}$ per cent 5/15/65	510 000 00
<b>Purchase</b>			
\$ 563 000	U. S. Treasury notes	3 $\frac{7}{8}$ per cent 5/15/65	\$ 563 000 00
<i>Orchard Downs (June 14, 1960)</i>			
<b>Purchase</b>			
\$ 141 000	U. S. Treasury bills	2/13/64	\$ 139 803 97
<i>Orchard Downs Addition (May 24, 1962)</i>			
<b>Sale</b>			
\$ 5 000	U. S. Treasury bills	11/14/63	\$ 4 996 60
<b>Purchase</b>			
\$ 98 000	U. S. Treasury bills	1/16/64	\$ 97 471 07
46 000	U. S. Treasury notes	3 $\frac{7}{8}$ per cent 5/15/65	46 000 00
<i>Pennsylvania Avenue Residence Halls (June 21, 1961)</i>			
<b>Purchase</b>			
\$ 59 000	U. S. Treasury bills	1/16/64	\$ 58 673 17

Student Services Building (May 17, 1961)

Purchase

\$ 8 000 U. S. Treasury bills 1/16/64 \$ 7 947 87

This report was received for record.

### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; cancellations, resignations, and terminations; leaves of absence.

### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

- AGASSI, MRS. JUDITH, Assistant Professor of Sociology and in the Division of General Studies, to render service during the second semester of the academic year, March 1-August 31, 1964, \$7,500 a year, supersedes (12-13-63).
- BUCHER, MARY R., Assistant Professor of Sociology (Psychiatry) (Medicine), eight months from January 1, 1964, \$10,500 a year, supersedes (12-20-63).
- CARLSEN, TOMIKO, Research Assistant in Oral Pathology (Dentistry), eight months from January 1, 1964, \$6,500 a year, supersedes (12-3-63).
- DUNNE, WILLIAM J., Acting Associate Dean of College of Business Administration (Chicago Undergraduate Division),  $\frac{3}{4}$  time, \$10,200 a year from December 1, 1963, through August 31, 1964; and Assistant Professor of Management,  $\frac{1}{4}$  time, for service during each academic year, \$2,800 a year, December 1, 1963-August 31, 1965, supersedes (11-20-63).
- ECKERT, WILLFORD J., Acting Head of Firemanship Training (Division of University Extension), eight months from January 1, 1964, \$8,750 a year, supersedes (12-9-63).
- EILIAN, HEKMATOLLAH, Assistant in Radiology (Medicine), one year from September 1, 1963, without salary (12-16-63).
- ERICKSON, JOHN R., Clinical Instructor in Medicine (Medicine), nine months from December 1, 1963, without salary (12-9-63).
- EVANS, LESTER J., Consultant in Education for the Health Professions (Office of Vice-President at the Medical Center),  $\frac{1}{2}$  time, one year from February 1, 1964, \$12,500 (12-16-63).
- FERRILL, ARTHUR L., Instructor in History, February 1-June 15, 1964, \$2,600, supersedes (12-3-63).
- FORT, MILTON L., Clinical Instructor in Medicine (Medicine), nine months from December 1, 1963, without salary (12-9-63).
- FOWLER, WYMAN B., JR., Research Associate in Metallurgical Engineering (C), November 27, 1963-August 31, 1964, \$8,000 a year, supersedes (12-13-63).
- GALLAGHER, JAMES J., Associate Director of the Institute for Research on Exceptional Children for the period from December 1, 1963, through August 31, 1964, \$13,300 a year; this is in addition to his appointment as Professor of Special Education (College of Education) (11-20-63).
- GEANAKOPOLOS, DENO J., Professor of History, two months from June 16, 1964, \$3,111.10 (12-9-63).
- GEORGE, T. V., Research Associate in Electrical Engineering (C), eight months from January 1, 1964, \$6,066.64, supersedes (12-9-63).
- HAGGARD, ERNEST A., Professor of Psychology (Psychiatry) (Medicine), eight months from January 1, 1964, \$18,500 a year, supersedes (12-20-63).
- HAMILTON, ROBERT C., Clinical Instructor in Orthopaedic Surgery (Medicine),  $\frac{3}{10}$  time, one year from July 1, 1963, \$3,000 (12-9-63).
- KANAZAWA, KAY K., Research Associate in Physics (C), nine months from December 1, 1963, \$5,850, supersedes (12-9-63).
- KIM, SERENA, Project Assistant in the State Natural History Survey and in the Graduate College, January 1-April 15, 1964, \$857.50 (12-17-63).
- KNECHT, CHARLES D., Instructor in Veterinary Clinical Medicine (College of Veterinary Medicine), January 16-August 31, 1964, \$9,500 a year (12-13-63).
- MATSUMOTO, YORIMI, Research Assistant in Physiology and Biophysics, one month from January 1, 1964, \$429.17 (12-19-63).

- MIYASHIRO, JANE Y., Research Associate in Education—Mathematics Project (University High School),  $\frac{1}{2}$  time, seven months from February 1, 1964, \$2,216.69, supersedes (12-17-63).
- ORAM, ROBERT W., Circulation Librarian and Assistant Director for Public Service Departments, and Associate Professor of Library Administration, on indefinite tenure from January 1, 1964, \$12,500 a year (12-17-63).
- PELTASON, JACK W., Acting Provost of the University, two months from January 1, 1964, additional salary of \$1,000; this is in addition to his appointment as Professor of Political Science and Dean of the College of Liberal Arts and Sciences (12-17-63).
- PENCHINA, CLAUDE M., Research Associate in Electrical Engineering (C), nine months from December 1, 1963, \$8,000 a year (12-9-63).
- QUIAMBAO, TERESITA B., Serials Assistant in the Library, seven months from February 1, 1964, \$3,208.31 (12-9-63).
- RAETHER, MANFRED, Research Associate Professor of Physics (College of Engineering),  $\frac{1}{2}$  time, indefinite tenure from September 1, 1963, to render service during each academic year, \$5,500 a year; and Research Associate Professor in the Coordinated Science Laboratory (Graduate College),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$5,500 a year, supersedes (11-29-63).
- RODGERS, DONALD E., Assistant in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), seven months from February 1, 1964, \$3,266.69 (12-19-63).
- SCOTT, ALAN N., Instructor in Organic Chemistry, six months from February 1, 1964, \$3,300 (12-19-63).
- SCOTT WINIFRED P., Assistant in Occupational Therapy (Medicine),  $\frac{2}{3}$  time, November 16, 1963-August 31, 1964, \$4,325 a year, supersedes full-time appointment (11-27-63).
- STEINRISSER, FORTUNAT, Research Associate in the Coordinated Science Laboratory (C), five months from April 1, 1964, \$666.67 a month (12-13-63).
- THOMPSON, WILLIAM N., Professor of Farm Management and Policy (Agricultural Economics) (S),  $\frac{3}{4}$  time, indefinite tenure from October 1, 1963, and Assistant to the Dean of the College of Agriculture,  $\frac{1}{4}$  time, four months from October 1, 1963, \$15,200 a year; and Professor of Farm Management and Policy (Agricultural Economics), College of Agriculture on  $\frac{3}{5}$  time and Agricultural Experiment Station on  $\frac{2}{5}$  time, indefinite tenure from February 1, 1964, \$15,200 a year, supersedes (12-4-63).
- WAHL, PHILIPPE, Research Associate in Chemistry, eight months from January 1, 1964, \$7,000 a year (12-9-63).
- WILSON, ELEANORE, Project Assistant in the State Natural History Survey and in the Graduate College, three months from January 1, 1964, \$900 (12-17-63).
- WINCHELL, H. H. FORSYTH, Instructor in Radiology (Medicine), one year from September 1, 1963, without salary (12-19-63).
- WOLNAK, BERNARD, Research Associate in Orthodontics (Dentistry),  $\frac{1}{2}$  time, ten months from November 1, 1963, \$2,000 (12-9-63).

#### FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- BAKER, ROBERT, United States Public Health Service Fellow (Trainee) in Pharmacology, six months from January 1, 1964, \$1,100 (12-17-63).
- CLARK, WILLIAM R., United States Public Health Service Fellow (Trainee) in Chemistry, February 1-June 15, 1964, \$1,050 (11-19-63).
- CONWAY, ANNA M., United States Public Health Service Fellow (Trainee) in Anatomy, six months from January 1, 1964, \$500 (12-6-63).
- DELOACH, WILLIAM B., Fellow in English, February 1-June 15, 1964, \$375 (12-3-63).
- DOWNNEY, HARRY F., United States Public Health Service Fellow (Trainee) in Biophysics, February 1-June 15, 1964, \$999.75 (11-20-63).
- EISENMAN, THEODORE S., Medical Student Alternative Quarter Fellow in Medicine, three months from January 1, 1964, \$200 (12-10-63).
- JACKSON, RICHARD L., United States Public Health Service Fellow (Trainee) in Microbiology, eight months from November 1, 1963, \$1,866.64 (12-2-63).
- KIRK, DONALD E., Collins Radio Company Teaching Fellow in Electrical Engineering, November 1, 1963-June 15, 1964, \$2,083 (11-19-63).

- LEVIN, NATHAN W., United States Public Health Service Fellow (Special) in Medicine, eight months from January 26, 1964, without salary (11-5-63).  
MAISCH, WELDON F., United States Public Health Service Fellow (Trainee) in Microbiology, three months from November 1, 1963, \$750 (12-2-63).  
MCLAIN, LARRY G., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1963, \$600 (10-10-63).  
ROMSDAHL, MARVIN M., United States Public Health Service Senior Clinical Trainee in Surgery, one year from July 1, 1963, without salary (11-6-63).  
SELINE, HELEN C., United States Public Health Service Fellow (Trainee) in Psychiatry, eight months from November 1, 1963, \$2,000 (12-6-63).  
TAYLOR, MARSHALL B., Medical Student Alternative Quarter Fellow in Medicine, four months from January 1, 1964, \$200 (12-4-63).  
WATSON, JAMES R., United States Public Health Service Fellow (Predoctoral) in Microbiology, one year from January 1, 1964, \$2,000 (12-10-63).  
ZELENGA, SUZANNE G., United States Public Health Service Fellow (Trainee) in Anatomy, six months from January 1, 1964, \$1,020 (12-2-63).

#### RESIGNATIONS, CANCELLATIONS, AND TERMINATIONS

- ARCILLA, RENE A., Clinical Assistant Professor of Pediatrics (Medicine) — resignation effective November 1, 1963.  
BAKER, HAROLD A., Visiting Lecturer in Law — termination effective December 1, 1963.  
CONAWAY, C. CLIFFORD, United States Public Health Service Fellow (Trainee) in Entomology — resignation effective December 1, 1963.  
DEEB, BARBARA P., Research Associate in the Center for Zoonoses Research — resignation effective December 26, 1963.  
DOROSZ, LEON C., United States Public Health Service Fellow (Trainee) in Psychology — resignation effective November 1, 1963.  
GARDNER, MRS. JEANNE C., Instructor in Mathematics (Pharmacy Chemistry) (Pharmacy) — resignation effective January 1, 1964.  
GRATOVICH, EUGENE, Fellow in Music — cancellation effective February 1, 1964.  
HOLTZAPFLE, JAY, Fellow in Music — cancellation effective February 1, 1964.  
HOUGH, JACK L., Professor of Geology — resignation effective March 1, 1964.  
HUBBARD, DOROTHY L., Fellow in Music — cancellation effective February 1, 1964.  
KOTT, NANCY, Project Assistant in the State Natural History Survey and in the Graduate College — resignation effective December 1, 1963.  
KOUSKOLEKAS, COSTAS, Research Associate in Agricultural Entomology, in the Agricultural Experiment Station and in the State Natural History Survey — resignation effective January 1, 1964.  
LAIN, RICHARD F., United States Public Health Service Fellow (Trainee) in Biophysics — cancellation effective November 16, 1963.  
MAHONY, THOMAS D., Instructor in Pathology (Medicine) — resignation effective January 1, 1964.  
MCGUIRE, DOUGLAS, United States Public Health Service Fellow (Trainee) in Education (School Psychology) — resignation effective February 1, 1964.  
MINHAS, KAREEM B., Associate Professor of Pediatrics (Medicine) — resignation effective February 1, 1964.  
STEINBECK, PAUL W., Associate Director in Civil Defense and Assistant to the Director of the Physical Plant — cancellation effective September 1, 1963 (transferred to nonacademic appointment).

#### LEAVES OF ABSENCE

- FERRIS, DEAM H., Associate Professor of Veterinary Pathology and Hygiene (College of Veterinary Medicine) of Veterinary Research (Agricultural Experiment Station), and Senior Staff Center for Zoonoses Research — leave of absence without pay, for one year beginning February 1, 1964, so that he may undertake an assignment for the Food and Agriculture Organization of the United Nations in a study of arthropod borne virus diseases.

#### FUTURE BOARD MEETINGS

President Howard W. Clement announced the schedule of the next

three meetings of the Board: February 19 at Urbana; March 18, the annual meeting, at Urbana; April 15, place to be determined.

On motion of Mr. Johnston, the Board adjourned.

Following adjournment and luncheon, Dean of Business Administration Raymond W. Coleman, Dean of Engineering Robert Banks, and Dean of Architecture and Art Leonard J. Currie, all of the Chicago Undergraduate Division, were guests of the Board and were introduced by Vice-President Norman A. Parker. Each of them addressed the Board on the program of his college.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*



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**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**February 19, 1964**



The February meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Wednesday, February 19, 1964, beginning at 10:00 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, and Mr. Kenney E. Williamson. Mr. Theodore A. Jones and Governor Otto Kerner were absent.

Also present were President David D. Henry, Acting Provost Jack W. Peltason, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Dr. Shannon McCune, Consultant to the President and to the Executive Vice-President and Provost, Mr. Earl W. Porter, Assistant to the President (Reports and Special Projects), Mr. V. L. Kretschmer, Director of Auxiliary Services, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

**MESSAGE TO MISS FRAN MYERS**

Mr. Irving Dilliard called attention to the absence from the press table of Miss Fran Myers, University Editor of *The News-Gazette*, who is ill, and asked that the Secretary send her, on behalf of the Trustees, an expression of their sympathy with her in her illness and best wishes for her speedy recovery.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**  
The Board took up consideration of the following reports and recommendations from the President of the University.

**PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

**AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
JAMES WILLIAM CHECKSFIELD	Webster Groves, Missouri	Missouri
FREDERICK PATRICK CROWE	South Bend, Indiana	Indiana
EUGENE PHILLIP ELLENBERGER	Highland Park, Illinois	Ohio
MARJORIE JUNE	Chicago, Illinois	Ohio
HELEN HOADLEY RITZ	Des Plaines, Illinois	Indiana

I concur.

On motion of Mr. Hughes, these certificates were awarded.

**INSTITUTE OF LABOR AND INDUSTRIAL RELATIONS  
ADVISORY COMMITTEE**

(2) The Director of the Institute of Labor and Industrial Relations recommends the following appointments to the Institute's Advisory Committee for a term of three years, beginning January 1, 1964, to fill vacancies in all three categories:

**Management**

FRANK H. CASSELL, Assistant to the Vice-President of Administration, Inland Steel Company

**Public**

EDWIN C. BERRY, Executive Director, Chicago Urban League

**Labor**

V. Q. LA PAGE, Regional Director of Region 8 of the Allied Industrial Workers of America

I recommend approval.

On motion of Mr. Swain, these appointments were approved.

**COLLEGE OF PHYSICAL EDUCATION ADVISORY COMMITTEE**

(3) The faculty of the College of Physical Education wishes to establish an Advisory Committee. The Dean recommends the following appointments to the Committee beginning February 1, 1964, for the rotating terms indicated:

MRS. E. C. EBERSBACHER, 219 North Washington Street, Shelbyville, Illinois.  
Immediate past Parent-Teacher Association officer (one year)

DR. FRED V. HEIN, Department of Health Education, American Medical Association, 535 North Dearborn Street, Chicago, Illinois (one year)

- R. J. HILDRETH, Associate Managing Director, Farm Foundation, 600 South Michigan Avenue, Chicago, Illinois (one year)  
 GEORGE LINDSLEY, Chief of State Hospital Bureau, State Department of Public Health, Springfield, Illinois (one year)  
 COLONEL THEODORE P. BANK, President, Athletic Institute, Room 805, Merchandise Mart, Chicago, Illinois (two years)  
 LOUIS IRONS, Department of Public Instruction, The Office Building, Springfield, Illinois (two years)  
 HAROLD JUDY, Sports Editor, *Danville Commercial News*, Danville, Illinois (two years)  
 ALFRED SLICER, Director, State Division of Vocational Rehabilitation, 623 East Adams Street, Springfield, Illinois (two years)  
 ARTHUR BEUHLER, Director of Health and Physical Education, Board of Education of Chicago, 228 North LaSalle Street, Chicago, Illinois (three years)  
 MRS. JOHN T. EVEN, 1439 Downer Place, Aurora, Illinois. Past President of Illinois Chapter of American Association of University Women (three years)  
 JOHN GRIFFITH, Publisher, *Athletic Journal*, 1719 Howard Street, Evanston, Illinois (three years)  
 JAMES LEWIS, Superintendent, Argo Public Schools, Argo, Illinois (three years)  
 I concur in the recommendations.

On motion of Mrs. Watkins, these appointments were approved.

#### APPOINTMENTS TO CENTER FOR ZOONOSIS RESEARCH

(4) On recommendation of the Dean of the College of Veterinary Medicine and Director of the Center for Zoonoses Research, the following appointments to the staff of the Center have been approved and are reported for record.

*Senior Memberships, indefinite tenure beginning February 1, 1964:*

WILLIAM R. BOGGESS, Professor of Forestry, College of Agriculture, University of Illinois

GLEN C. SANDERSON, Associate Wildlife Specialist and Acting Head of Section of Wildlife Research, Illinois State Natural History Survey

*Associate Membership, for two years beginning February 1, 1964:*

PAUL R. SCHNURRENBERGER, Chief Public Health Veterinarian, Illinois Department of Public Health, 500 State Office Building, Springfield, Illinois

*Consultant, for three years beginning February 1, 1964:*

TELFORD H. WORK, Chief, Virology Section, United States Public Health Service, Communicable Disease Center, Atlanta, Georgia

On motion of Mr. Williamson, these appointments were confirmed.

#### APPOINTMENTS TO THE FACULTY

(5) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. THOMAS O. BROWNING, Visiting Professor in the School of Life Sciences, beginning February 1 and continuing through July 15, 1964, at a salary of \$9,534.
2. ROBERT A. EUBANKS, George A. Miller Visiting Professor of Civil Engineering, for the academic year 1964-65, at a salary of \$16,000.
3. HILARY J. HARRINGTON, Visiting Associate Professor of Geology, for the academic year 1964-65, at a salary of \$11,500.
4. RONALD C. HIRSCHFELD, Visiting Assistant Professor of Civil Engineering and of Geology, on one-half time, for the second semester of 1963-64, at a salary of \$2,000.
5. BERNARD LILIENTHAL, Visiting Professor of Dentistry, for six months from January 1, 1964, at a salary of \$6,690.
6. MARY F. MEUSER, Assistant Professor in the Department of Medical Social Work, beginning January 6, 1964, at an annual salary of \$9,700.
7. FRANK W. RENWICK, JR., Director of Executive Development Center, College of Commerce and Business Administration, beginning February 1, 1964, at an annual salary of \$16,000.

8. ADRIAN F. RICHARDS, Associate Professor of Geology, on nine-tenths time, and Associate Professor of Civil Engineering, on one-tenth time, beginning September 1, 1964, at an annual salary of \$11,500.
9. BERNARD I. SPINRAD, Visiting Professor of Nuclear Engineering, for the second semester of 1963-64, without salary.
10. DONALD TUOMI, Clinical Assistant Professor of Psychiatry, College of Medicine, beginning January 1, 1964, without salary.
11. JACK T. TURNER, Professor and Associate Dean of Business Administration, Chicago Undergraduate Division, beginning September 1, 1964, at an annual salary of \$18,000.

On motion of Mr. Johnston, these appointments were confirmed.

#### HEADSHIP OF THE DEPARTMENT OF PHYSICS

(6) The Dean of the College of Engineering recommends the appointment of Dr. Gerald M. Almy of the Department of Physics as Professor of Physics on indefinite tenure and Head of the Department of Physics beginning September 1, 1964, to succeed Professor Frederick Seitz who has been appointed Dean of the Graduate College. The salary of this position will be determined when the budget for 1964-65 is recommended to the Board of Trustees for approval.

The nomination for this appointment was unanimously recommended by a special search committee<sup>1</sup> and is concurred in by the Acting Provost and the Dean of the Graduate College. All members of the Department of Physics of professorial rank were also consulted both by the search committee and by the Dean prior to the initiation of the recommendation.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

#### HEADSHIP OF THE DEPARTMENT OF MARKETING

(7) A search committee<sup>2</sup> appointed in September, 1963, to recommend a Head of the Department of Marketing in the College of Commerce and Business Administration (Urbana) to fill the vacancy created by the resignation of the former Head, Professor H. W. Huegy, who asked to be relieved of his administrative duties<sup>3</sup> to devote full time to teaching and research, has assembled information about possible candidates.

After the Committee had been at work for some time and had brought prospective candidates to the University for interviews, members of the Department requested a meeting to consider changing the administrative organization from a headship to a chairmanship. In accordance with University statutory provisions, the Dean called a meeting of the members of the Department of professorial rank and they voted seven to four in favor of the chairmanship organization.

The Dean of the College of Commerce and Business Administration has transmitted the results of this vote to the President of the University with his recommendation: that no change be made and that the Department continue to be organized with a Head. The recommendation is supported unanimously by the Executive Committee<sup>4</sup> of the College. The Dean's report supporting his recommendation is submitted herewith and a copy is filed with the Secretary of the Board for record.

<sup>1</sup> Ernest M. Lyman, Professor of Physics, Chairman; Daniel Alpert, Research Professor of Physics and Director of the Coordinated Science Laboratory; Harry G. Drickamer, Professor of Chemical Engineering and of Physical Chemistry, College of Liberal Arts and Sciences and Engineering Experiment Station, and Member of the Center for Advanced Study; Donald Ginsberg, Associate Professor of Physics; Edward C. Jordan, Professor and Head of the Department of Electrical Engineering; Leo S. Lavatelli, Professor of Physics; and Robert D. Sard, Professor of Physics.

<sup>2</sup> Professors J. F. Bell, Department of Economics, Chairman; Richard M. Hill, Department of Marketing; Robert Ferber, Bureau of Economic and Business Research; Lloyd DeBoer, Department of Marketing; and Robert Mautz, Department of Accountancy.

<sup>3</sup> In the meantime, Professor Frank H. Beach of the Department of Marketing, who retired at the end of the academic year 1962-63, has continued in active service on a part-time basis, serving as Head of the Department of Marketing.

<sup>4</sup> Professors H. K. Allen, Department of Economics; Robert Ferber, Bureau of Economic and Business Research; Vernon Zimmerman, Department of Accountancy; Donald Skadden, Department of Accountancy; Joseph Letterer, Graduate School of Business Administration; Walter McMahon, Department of Economics; Dean Paul M. Green, Chairman, ex officio.

The Acting Provost and I concur in the Dean's recommendation that the headship form of organization be retained.

On motion of Mr. Swain, the Board approved the recommendation that the headship form of organization of the Department of Marketing be retained.

#### **GRADUATE FELLOWSHIPS FOR 1964-65**

(8) The Graduate College has requested the commitment of funds for University Fellowships for 1964-65 so that fellowship offers can be made by April 1, 1964, in accordance with the standard practice. Specifically, an assignment of \$335,000 of recurring funds is requested of which \$20,000 would be for the Medical Center and \$315,000 for Urbana-Champaign, which will provide for a total of 175 fellowships at annual stipends of \$1,800.

An increase in the stipend from \$1,500 to \$1,800 has been approved by the Executive Vice-President and Provost and confirmation of this action is requested.

On motion of Mr. Johnston, these actions were confirmed.

#### **CURRICULUM IN ARCHITECTURE AT CHICAGO UNDERGRADUATE DIVISION**

(9) The Chicago Undergraduate Division Senate has approved a recommendation from the College of Architecture and Art for a curriculum in architecture leading to the degree of Bachelor of Architecture, to be implemented at the beginning of the academic year 1964-65.

Submitted herewith is a supporting statement describing the new curriculum, a copy of which is being filed with the Secretary of the Board for record.

Establishment of this new curriculum is in accordance with the educational policies and plans for the organization of educational programs involved in the expansion of the Chicago Undergraduate Division into a degree-granting branch of the University, consistent with prior legislative authorization of the same, as approved by the Board of Trustees in January and February, 1961.

The Senate Coordinating Council has indicated that this curriculum is ready for approval by the Board of Trustees.

I recommend approval.

On motion of Mrs. Watkins, this recommendation was approved.

#### **CONTRACT FOR CAMPUS TREE-PLANTING PHASE 4**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$22,578.94 to Twin City Landscape Service, Inc., the lowest bidder, for the fourth phase of the campus tree-planting program at Urbana-Champaign.

This contract is for planting trees on the west side of Mathews Avenue from Springfield Avenue to Nevada Street; on the east side of Mathews Avenue adjacent to the Mechanical Engineering Building; on both sides of Sixth Street from Armory Avenue to Pennsylvania Avenue; on the south side of Gregory Drive from Oak Street to First Street; on the west side of Oak Street from Stadium Drive to Florida Avenue; on both sides of St. Mary's Road from the west University property line to Fourth Street; and adjacent to the Illinois Central Railroad right-of-way from Stadium Drive south to the existing planting at the Physical Plant Service Building.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

#### **CONTRACTS FOR LANDSCAPING OF SITES AT THREE NEW BUILDINGS IN URBANA-CHAMPAIGN**

(11) The Director of the Physical Plant and the Vice-President and Comptroller

recommend awards of contracts to Twin City Landscape Service, Inc., Urbana, for landscaping of the areas of three new buildings recently constructed or now being completed at Urbana-Champaign, the award in each case being to the lowest bidder:

College of Commerce and Business Administration West.....	\$12 120 28
College of Education Building.....	7 626 49
Orchard Downs, First Addition.....	15 236 71

Funds are available in the construction budgets of the three buildings.

I concur.

On motion of Mr. Swain, these contracts were awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no none; absent, Mr. Jones, Mr. Kerner.

#### **CONTRACT FOR ELECTRICAL SERVICES FOR TELEVISION STUDIOS**

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of an agreement with the Illinois Power Company for electrical services to the Television Studios at 1114 West Main Street, Urbana, at the standard Utilities Service Classification Rate No. 21, including Rider A.

Service was originally initiated under a rate for which no formal contract was necessary. It has since been determined that the demand for electricity is such that a savings of approximately \$100 per year can be effected by entering into the proposed contract.

Funds for the annual estimated cost of \$7,000 are available in the Physical Plant operating budget.

I concur.

On motion of Mr. Johnston, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

#### **CLOSED CIRCUIT TELEVISION FACILITIES FOR CHILDREN'S RESEARCH CENTER**

(13) It is anticipated that closed circuit television facilities between the Herman M. Adler Clinic to be constructed by the State Department of Mental Health and the Children's Research Center to be constructed by the University will be desirable for research through the observation of activities in various buildings of the Clinic.

The Illinois Bell Telephone Company will install television conduit and cable between the buildings at no cost to the University if the University issues a letter stating that it intends to lease the transmission facilities at the prevailing rates authorized by the Interstate Commerce Commission if and when closed circuit television equipment is installed. The Company will also install telephone cable at the same time without additional charge; however, if only telephone cable is installed, it must be done at University expense, so that the letter referred to will save the University an estimated \$9,000 in the cost of the telephone cable. Installation of underground television cable by the University would cost an estimated \$17,000 at this time; the cost would be higher after the buildings, landscaping, walks, and drives have been completed.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of any necessary agreements at the appropriate time with the Illinois Bell Telephone Company for closed circuit television facilities.

On motion of Mr. Williamson, authority was given as requested; Mr. Hughes asked to be recorded as not voting.

#### **CONTRACT FOR INCINERATOR IN DENTISTRY-MEDICINE-PHARMACY BUILDING**

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend a contract for \$14,474 to the C. O. Henriksen Company, Chicago, the

lowest bidder, for construction and installation of an incinerator in the Dentistry-Medicine-Pharmacy Building.

This improvement is a part of the 1963-65 building program and funds are available in the state capital appropriations for the same.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

**AGREEMENT WITH FEDERAL AVIATION AGENCY AND GRANT  
FOR AIRPORT IMPROVEMENTS AND ACQUISITION OF LAND**

(15) In 1961 the University purchased air rights at the south end of the north-south runway and land-in-fee on the north end of the north-south runway at the University of Illinois-Willard Airport in accordance with an agreement with the Federal Aviation Agency to provide clear zones on the north-south runway for a prospective instrument runway. The Federal Aviation Agency subsequently decided to put the installation on the northwest-southeast runway and is now making an instrument landing system installation on that runway.

The Federal Aviation Agency has offered the University a grant of \$92,443 to: (1) reimburse the University for costs of acquiring the land and air rights on the north-south runway; (2) install high intensity lights; (3) purchase the necessary air rights and land on the northwest-southeast runway; (4) install marking on instrument runway; (5) install perimeter fencing on the approach lighting system site; and (6) remove obstructions.

In order to accept this grant, the University must agree to acquire approximately twenty acres of land in fee simple and air rights over approximately one hundred and ten acres at the ends of the northwest-southeast runway. The land will be used for the future installation of an approach lighting system and clearance zones, which adds to the utility and safety of the airport operations and is usually installed as an integral part of the instrument landing system.

The State Department of Aeronautics has agreed to pay the matching costs of these improvements, to the extent of \$44,000, from state appropriations released for improvements at the University of Illinois-Willard Airport. The entire cost of the land to be acquired is reimbursable from the federal grant and the appropriation to the State Department of Aeronautics.

The Director of the Institute of Aviation and the Vice-President and Comptroller recommend acceptance of the grant and authorization of the Director of the Institute of Aviation to negotiate for the acquisition of the land, recommendations for the purchase of which will be submitted to the Board.

I concur and recommend adoption of the following resolution:

**Resolution Accepting, Adopting, and Authorizing Execution of Acceptance  
of Grant Offer of the Administrator of the Federal Aviation Agency  
Constituting Grant Agreement Between the Board of Trustees  
of the University of Illinois and the United States**

WHEREAS, the Administrator of the Federal Aviation Agency, for and in behalf of the United States, has extended to The Board of Trustees of the University of Illinois a formal Grant Offer, dated December 19, 1963, pursuant to the Project Application of The Board of Trustees of the University of Illinois submitted to the Federal Aviation Agency, dated September 27, 1963, all as hereinbelow set forth, and all relating to the development of the University of Illinois-Willard Airport; the same bearing FAA Project No. 9-11-026-C404; and

WHEREAS, pursuant to and for the purposes of carrying out the provisions of the Federal Airport Act (60 Stat. 170; Public Law 377, 79th Congress), it is necessary that said Grant Offer be duly and formally accepted by The Board of Trustees of the University of Illinois; and

WHEREAS, such Grant Offer and such Acceptance thereof, duly executed, together shall constitute the Grant Agreement between The Board of Trustees of the University of Illinois and the United States relating to said airport-development project; and

WHEREAS, the said Grant Offer is in the words, figures, and form following:



## FEDERAL AVIATION AGENCY

## Grant Agreement

## Part I—Offer

Date of Offer: December 19, 1963  
University of Illinois-Willard Airport  
Project No. 9-11-026-C404  
Contract No. FA-CE-2919

To: The Board of Trustees of the University of Illinois, and State of Illinois, Department of Aeronautics, Co-Sponsors, (herein referred to as the "Sponsor")

FROM: The United States of America (acting through the Federal Aviation Agency, herein referred to as the "FAA")

WHEREAS, The Board of Trustees of the University of Illinois has submitted to the FAA a Project Application dated January 26, 1961, and the State of Illinois, Department of Aeronautics, and The Board of Trustees of the University of Illinois have submitted to the FAA a Project Application dated September 27, 1963, for projects for development of the University of Illinois-Willard Airport (herein called the "Airport"), which Project Applications as approved by the FAA are hereby incorporated herein and made a part hereof; and

WHEREAS, the FAA has approved a project for development of the Airport (herein called the "Project") consisting of the following-described airport development:

Reimburse for N and S clear zone acquisition; acquire NW and SE clear zones and ALS site in SE approach to NW/SE (ILS) runway; install high-intensity lighting system for NW/SE runway; install instrument-runway marking on NW/SE runway; install perimeter fencing on ALS site; remove obstructions.

all as more particularly described in the property map and plans and specifications incorporated in the said Project Applications;

Now therefore, pursuant to and for the purpose of carrying out the provisions of the Federal Airport Act, as amended (49 U.S.C. 1101), and in consideration of (a) the Sponsor's adoption and ratification of the representations and assurances contained in said Project Application, and its acceptance of this Offer as hereinafter provided, and (b) the benefits to accrue to the United States and the public from the accomplishment of the Project and the operation and maintenance of the Airport as herein provided, THE FEDERAL AVIATION AGENCY, FOR AND ON BEHALF OF THE UNITED STATES, HEREBY OFFERS AND AGREES to pay, as the United States share of the allowable costs incurred in accomplishing the Project, 50 per centum thereof, PROVIDED, HOWEVER, that the United States' share of the allowable costs incurred in accomplishing the installation hereunder of the high-intensity lighting system on the NW/SE designated instrument landing runway and the acquisition of the 3200' x 400' site for an Approach Light System in the SE approach thereto shall be 75 per centum thereof.

This Offer is made on and subject to the following terms and conditions:

1. The maximum obligation of the United States payable under this Offer shall be \$92,443.00.
2. The Sponsor shall:
  - (a) begin accomplishment of the Project within ninety days after acceptance of this Offer or such longer time as may be prescribed by the FAA, with failure to do so constituting just cause for termination of the obligations of the United States hereunder by the FAA;
  - (b) carry out and complete the Project without undue delay and in accordance with the terms hereof, the Federal Airport Act, and Sections 550.7 and 550.8 of the Regulations of the Federal Aviation Agency (14 CFR 550) in effect as of the date of acceptance of this Offer; which Regulations are hereinafter referred to as the "Regulations";
  - (c) carry out and complete the Project in accordance with the plans and specifications and property map, incorporated herein, as they may be revised or modified with the approval of the FAA.
3. The allowable costs of the project shall not include any costs determined by

- the FAA to be ineligible for consideration as to allowability under Section 550.4(a) of the Regulations.
4. Payment of the United States share of the allowable project costs will be made pursuant to and in accordance with the provisions of Section 550.9 of the Regulations. Final determination as to the allowability of the costs of the project will be made at the time of the final grant payment pursuant to Section 550.9(d) of the Regulations: *Provided*, that, in the event a semi-final grant payment is made pursuant to Section 550.9(c) of the Regulations, final determination as to the allowability of those costs to which such semi-final payment relates will be made at the time of such semi-final payment.
  5. The Sponsor shall operate and maintain the airport as provided in the Project Application herein and specifically covenants and agrees, in accordance with its Assurance 4 in Part III of said Project Application that in its operation and the operation of all facilities thereof, neither it nor any person or organization occupying space or facilities thereon will discriminate against any person or class of persons by reason of race, color, creed or national origin in the use of any of the facilities provided for the public on the airport.
  6. The FAA reserves the right to amend or withdraw this Offer at any time prior to its acceptance by the Sponsor.
  7. This Offer shall expire and the United States shall not be obligated to pay any part of the costs of the Project unless this Offer has been accepted by the Sponsor on or before March 15, 1964, or such subsequent date as may be prescribed in writing by the FAA.
  8. It is recognized by the parties hereto that on February 11, 1963, Part 550 of the Regulations of the Federal Aviation Agency (14 CFR 550) was deleted and superseded by Part 151 of the Federal Aviation Regulations (27 FR 12348). Therefore, it is understood and agreed that Paragraphs 2(b), 3, and 4 of this Grant Offer are hereby deleted and the following Paragraphs 2(b), 3, and 4 are substituted in their place and stead:  
"2(b) carry out and complete the Project without undue delay and in accordance with the terms hereof, the Federal Airport Act, as amended, and Sections 151.45, 151.47, 151.49, 151.51, 151.53, and 151.55, of the Federal Aviation Regulations (27 FR 12348) in effect as of the date of acceptance of this Offer; which Regulations are hereafter referred to as the 'Regulations';"  
"3. The allowable costs of the project shall not include any costs determined by the FAA to be ineligible for consideration as to allowability under Section 151.41(b) of the Regulations."  
"4. Payment of the United States' share of the allowable project costs will be made pursuant to and in accordance with the provisions of Sections 151.57, 151.59, 151.61, and 151.63 of the Regulations. Final determination as to the allowability of the costs of the project will be made at the time of the final grant payment pursuant to Section 151.63 of the Regulations: *Provided*, that, in the event a semi-final grant payment is made pursuant to Section 151.63 of the Regulations, final determination as to the allowability of those costs to which such semi-final payment relates will be made at the time of such semi-final payment."
  9. It is understood and agreed that each contract awarded for construction work under this project is subject to the provisions of the Work Hours Act of 1962, Public Law 87-581. It is further understood and agreed that each such contract will contain stipulations requiring the contractor or subcontractor to pay wages to all laborers and mechanics employed on the work in conformance with the provisions of the Act and that the Sponsor may withhold or cause to be withheld from the contractor or subcontractor so much of the accrued payments as may be considered necessary to pay laborers and mechanics employed by any such contractor or subcontractor on the work the full amount of wages required by the contract and such sums as may administratively be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for liquidated damages as provided by the Act. It is also understood and agreed that, in the event of failure of any contractor or subcontractor to pay any laborer or mechanic employed or working on the site of the work all or part of the wages required by the contract, the FAA may, after written notice to the Sponsor, withhold from the Sponsor so much of the accrued payments or advances representing unpaid wages and liquidated damages.
  10. By this acceptance hereof, the Sponsor hereby covenants that to the extent it

I now submit the report from the Urbana-Champaign Senate Committee on Academic Freedom and Tenure, unanimously adopted by that group, as follows:

March 6, 1964

President David D. Henry  
355 Administration (W)

DEAR PRESIDENT HENRY:

In your letter of February 21 addressed to the Chairman of our Committee you asked the Committee to review the "expressions on public affairs" contained in your statement to the Board of Trustees and to give you our advice "—as to whether University action of any kind concerning them or toward Professor Oliver because of them is indicated."

We commend you for asking the faculty, as represented by this Committee, to give you its counsel, but your request poses a difficult question for the Committee. On the one hand we wish to be helpful to you and to support the policy that administrative officers of the University consult with the faculty before making decisions on issues of concern to the academic community; but on the other hand we are confronted with the fact that our current University statutes do not appear to give our Committee, or any other faculty body, the authority to consult with the President in situations of this kind. Furthermore the Committee on academic freedom must by provisions in our University statutes afford a hearing to any staff member who feels that his academic freedom is being jeopardized; and also conduct a hearing and make recommendations when asked by a staff member against whom charges have been filed by the President, when such charges relate to the academic freedom of the staff member. It can be argued therefore that any judgment made by this Committee in response to your request would impair the ability of the Committee to act impartially when and if asked by the staff member to conduct a hearing on his behalf.

Despite these considerations the Committee has decided that it should respond to your request. To do otherwise would create the impression that the academic community at the University of Illinois is not concerned and that though the President wished to have the counsel of the faculty he could not get it. We know the academic community at the University of Illinois is concerned, and we refuse to accede to the unhappy and anomalous conclusion that the President has no right to confer with a responsible faculty committee about problems of great concern to the University and on which he must make decisions. We wish there were clear channels for such consultation and we would note in passing that when the proposed statutory revisions become effective such channels will exist.

The exercise of academic freedom rights and privileges by a faculty is not without its price to a university, but the benefits greatly outweigh the costs. The public frequently does not realize why academic freedom is such a cherished value, and is so zealously guarded, by the academic community of scholars. In the furtherance of a university's educational objectives of exploring new fields, developing and transmitting new ideas, pushing forward the frontiers of knowledge, in short, in the search for the eternal verities, *administrative* restraint on the scholar searching for these truths must be avoided. If, in the exercise of this protected freedom of research and expression, and despite the statutory admonition that a professor is expected to observe professional standards of "accuracy, forthrightness, and dignity befitting his association with the university and his position as a man of learning," abuses of this privilege occur, restraints on such abuses must normally be provided by the adverse judgment of the individual's *professional* colleagues. He must withstand the full glare of critical *professional* judgment and condemnation for unprofessional, undignified, unsupported, or offensive utterances. He must have the right to be as ungloriously wrong, and suffer the *professional* consequences thereof, as to be gloriously right and receive the acclaim of his *professional* colleagues therefore. Thus when abuses occur, and the public image of a great university is somewhat tarnished as a result thereof, it must be recognized that the larger gain is in the brighter image of the university presented to the scholarly world of an institution dedicated to the advancement of knowledge and learning, and one willing to pay the price for strict adherence to this ideal.

revision date of "10-31-63" attached to and incorporated in the aforesaid Project Application dated September 27, 1963 shall be an official Exhibit "A" Property Map for purposes of this project, and that, accordingly, the Exhibit "A" Property Map bearing latest revision date of "1/18/61" shall be considered to be of historical-record significance only and to be superseded by the said "10-31-63" revision.

14. It is understood and agreed by and between the parties hereto that the United States shall not make, nor shall it be obligated to make, final grant payment hereunder or any payment representing the United States' share of the respective costs of acquiring Areas R, S, and T, as the same are delineated on the aforesaid Exhibit "A", until the Sponsor shall have submitted evidence satisfactory to the FAA of fee simple title satisfactory to the FAA in and to the said Areas R, S, and T, or of the respective costs of acquiring Tracts 1, 2, 3, and 4, as the same are delineated on the aforesaid Exhibit "A", until the Sponsor shall have submitted evidence satisfactory to the FAA of easement interests satisfactory to the FAA in and over each of said Tracts 1, 2, 3, and 4.
15. It is understood and agreed by and between the parties hereto that, insofar as the above-described construction work is concerned, this Grant Offer is issued on the basis of preliminary plans; the Sponsor hereby covenants and agrees that on or before April 15, 1964, it will submit final plans and specifications therefor. It is understood and agreed by and between the parties hereto that the project construction work shall not be advertised or commenced until such final plans and specifications have been so submitted and have been approved by the FAA. It is further understood and agreed by and between the parties hereto that any reference herein or in the aforesaid Project Application dated September 27, 1963, to plans and specifications shall mean such final plans and specifications as shall have been so submitted and approved.
16. It is hereby understood and agreed by and between the parties hereto that the United States shall not make, nor shall it be obligated to make any payment representing the United States' share of the costs of accomplishing the project obstruction-removal work until the Sponsor has submitted evidence satisfactory to the FAA that such work has been completed and that the Sponsor held a property interest or other right permitting it to go on the land concerned and perform such work.
17. The Sponsor hereby covenants and agrees that the installation of perimeter fencing around the ALS site shall not be commenced until the Sponsor has submitted evidence satisfactory to the FAA of fee simple title satisfactory to the FAA in and to Areas R, S, and T, as the same are delineated on the aforesaid Exhibit "A".
18. The Board of Trustees of the University of Illinois and the State of Illinois Department of Aeronautics hereby covenant and agree that they will use their good offices to obtain at as early a time as feasibly may be, the Amendment of the Airport Approach and Zoning Plans and corresponding regulations of the County of Champaign, Illinois dated November 16, 1944, to conform with the approach plans, areas and profiles as shall be applicable upon the completion of this project.

The Sponsor's acceptance of this Offer and ratification and adoption of the Project Application incorporated herein shall be evidenced by execution of this instrument by the Sponsor, as hereinafter provided, and said Offer and Acceptance shall comprise a Grant Agreement, as provided by the Federal Airport Act, constituting the obligations and rights of the United States and the Sponsor with respect to the accomplishment of the Project and the operation and maintenance of the Airport. Such Grant Agreement shall become effective upon the Sponsor's acceptance of this Offer and shall remain in full force and effect throughout the useful life of the facilities developed under the Project but in any event not to exceed twenty years from the date of said acceptance.

UNITED STATES OF AMERICA  
FEDERAL AVIATION AGENCY  
By Henry L. Newman  
Director, Central Region

#### *Part II -- Acceptance*

The Board of Trustees of the University of Illinois does hereby ratify and adopt all statements, representations, warranties, covenants, and agreements con-

tained in the Project Application and incorporated materials referred to in the foregoing Offer and does hereby accept said Offer and by such acceptance agrees to all of the terms and conditions thereof.

Executed this ..... day of ....., 19.....

THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS

(Seal)

By.....  
Title.....

Attest.....

Title.....

#### CERTIFICATE OF SPONSOR'S ATTORNEY

I, ....., acting as Attorney for The Board of Trustees of the University of Illinois (herein referred to as the "Sponsor") do hereby certify:

That I have examined the foregoing Grant Agreement and the proceedings taken by said Sponsor relating thereto, and find that the Acceptance thereof by said Sponsor has been duly authorized and that the execution thereof is in all respects due and proper and in accordance with the laws of the State of Illinois, and further that, in my opinion, said Grant Agreement constitutes a legal and binding obligation of The Board of Trustees of the University of Illinois in accordance with the terms thereof.

Dated at ..... this ..... day of ....., 19.....

Title.....

The State of Illinois, Department of Aeronautics does hereby accept said Offer and by such acceptance agrees to all of the terms and conditions thereof.

Executed this ..... day of ....., 19.....

STATE OF ILLINOIS  
DEPARTMENT OF AERONAUTICS

(Seal)

Attest..... By.....  
Title..... Title.....

#### CERTIFICATE OF CO-SPONSOR'S ATTORNEY

I, ....., acting as Attorney for the State of Illinois, Department of Aeronautics, do hereby certify:

That I have examined the foregoing Grant Agreement and proceedings taken by the State of Illinois, Department of Aeronautics relating thereto and find that the acceptance thereof by the State of Illinois, Department of Aeronautics has been duly authorized and that the execution thereof is in all respects due and proper and in accordance with the laws of the State of Illinois and further that, in my opinion, said Grant Agreement constitutes a legal and binding obligation of the State of Illinois, Department of Aeronautics in accordance with the terms thereof.

Dated at ..... this ..... day of ....., 19.....

Title.....

Now, Therefore, upon consideration of said Grant Offer and all of the terms, provisions, conditions, and exhibits therein and thereto, *Be It, and It Is Hereby Resolved by The Board of Trustees of the University of Illinois* as follows:

1. That The Board of Trustees of the University of Illinois accept, and it does hereby accept the Grant Offer extended to it by the Administrator of the Federal Aviation Agency, for and in behalf of the United States in the words, figures, and form as hereinabove set forth and that it shall enter into a Grant Agreement with the United States by causing the Acceptance thereof, in the words, figures, and form as hereinabove set forth, to be duly executed in its name and for and in its behalf.
2. That to accomplish the foregoing, H. O. Farber, Comptroller, be and he is hereby authorized and directed to execute, for and in behalf of The Board of

Trustees of the University of Illinois, the said Acceptance of the said Grant Offer, and that A. J. Janata, Secretary, be and he is hereby authorized and directed to attest said execution and to impress thereon the Official Seal of the University of Illinois.

3. That the Project Application, dated September 27, 1963, executed and submitted to the Federal Aviation Agency by The Board of Trustees of the University of Illinois, relating to FAA Project No. 9-11-026-C404, including all the statements, representations, warranties, covenants, and agreements, contained therein, be and the same is hereby ratified and adopted.
4. That the Agency and Participation Agreement, attached thereto and by reference made a part thereof, entered into on the 27th day of September, 1963, by The Board of Trustees of the University of Illinois and by the State of Illinois, Department of Aeronautics, be and the same is hereby confirmed and ratified.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner; not voting, Mr. Johnston.

#### ESTATE OF ANNA M. GULICK, DECEASED

(16) On June 4, 1963, the Probate Court of McLean County, Illinois, entered an order admitting to probate a will dated September 17, 1954, and a codicil thereto dated December 1, 1960, as the Last Will and Testament of Anna M. Gulick, deceased. The University is not a beneficiary under these instruments. The June 4, 1963, order also denied probate to a document dated September 2, 1960, purporting to be Mrs. Gulick's last will and testament, under which certain property is disposed of to individuals and the residuary estate is placed in trust with the income to be divided equally among the University of Illinois, Northwestern University, and Illinois Wesleyan University. The latter institution is a beneficiary under both instruments but would take a greater share under the documents admitted to probate by the June 4, 1963, action of the Probate Court.

The Legal Counsel states that preliminary investigation indicates that the September 2, 1960, instrument favoring the University may, in fact, be the last will of the decedent. He states further that, because of limitations on the extent of evidence admissible in the probate court, the validity of the documents admitted to probate should be determined in a separate proceeding filed in the Circuit Court of McLean County, Illinois. He recommends that the University join with Northwestern University in instituting a suit to contest the documents admitted as Mrs. Gulick's will, and requests authority to employ such special legal counsel as he may deem necessary or appropriate to assist in the prosecution of the same.

I concur.

On motion of Mr. Johnston, this recommendation was approved.

#### PURCHASES

##### Purchases Authorized

(17) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and from University revolving funds authorized by law.

##### *Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of radiation counting equipment consisting of one amplifier-analyzer, one scaler-timer with high voltage supply, one scintillation high-voltage power supply, one gamma scintillation detector, one well assembly with photomultiplier tube and metal shield, and one dual purpose timer	Agency for International Development (Faculty of Medicine—Chiangmai Hospital, Thailand)	Baird-Atomic, Inc., Cambridge, Mass.	\$ 5 134 75 f.a.s. New York, N.Y.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Fertilizer as follows: 43.05 tons diammonium phosphate 19.45 tons high analysis phosphate 3.00 tons ammonium phosphate nitrate	Agricultural Economics	Tennessee Valley Authority, Wilson Dam, Ala.	\$ 5 608 80 f.o.b. Sheffield, Ala.
To be used for ten Allerton Trust Farms; the Allerton Farm tenants will reimburse the University for one- half of the total cost			
One amplifier, electron-beam para- metric, center frequency 413 mc, signal bandwidth 40 mc, noise figure 1.5 db or less over 30 mc-2.0 db or less over 40 mc, gain 20 db minimum	Electrical Engineering	Zenith Radio Corp., Chicago	7 000 00 f.o.b. delivered
One recorder, x-y 11 in. by 17 in., with plug-in differential input module and plug-in logarithmic converter module	Electrical Engineering Research Laboratory	Electro Instruments, Inc., St. Louis, Mo.	3 775 00 f.o.b. destination
One electron gun system, rated at 5kw, 10kv, 500ma, including power supply, gun, two-feed throughs, and polarity reversing switch	Electrical Engineering Research Laboratory	Tech Sales and Marketing, Indianapolis, Ind.	7 610 00 f.o.b. Berkeley, Calif.

On motion of Mr. Johnston, these purchases were confirmed.

### Purchases Recommended

#### *Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of x-ray and darkroom equip- ment	Health Service, Chicago	Winfield, Inc., Chicago	\$13 000 00 delivered and installed
Print 30,000 copies of Chicago Under- graduate Division catalog, 1964-65, 6 in. by 9 in., 160 pages plus six-page tipped insert and cover, supply for one year	Chicago Undergraduate Division	Interstate Printing & Publishing Co., Danville	9 250 00 delivered
One computer, analog, fully transis- torized, with plug-in expansion fea- tures built in, computer time 20, 50, 100, and 200 millisecond steps $\pm$ 5 per cent, vernier scale expansions of 2.5 at 1.0 minimum, reset time 10 milli- seconds $\pm$ 5 per cent	Chemistry and Chemical Engineering	Electronic Associates, Inc., Long Branch, N.J.	6 042 50 f.o.b. delivered
Two tape recorders, two channel, speeds 7½ and 15 in. per second, 30 to 18,000 cps frequency $\pm$ 2 db 15 ips eight microphones	School of Music	Radio Doctors, Champaign	4 988 20 f.o.b. delivered
One net, baseball practice, 130 ft. square, with 15 ft. high walls and tent-type roof, to be used for indoor baseball and golf practice in the University of Illinois Armory	Physical Education for Men	Bailey & Himes, Inc., Urbana	3 895 50 f.o.b. delivered
One audiometer with output switch and matched earphones, frequency range 100 to 10,000 cycles per second con- trolled in three manners: (a) 2-decade range, (b) 2-octave range, and (c) neutral, signal interruption controlled at a rise and fall time of 25 milli- seconds	Speech and Theatre	Grason-Stadler Co., Inc., West Concord, Mass.	3 379 23 f.o.b. delivered
Nineteen catalog card cabinets, sixty trays each, wood, with label holders and large ring pulls	Library	Gaylord Brothers, Inc., Syracuse, N.Y.	13 110 00 f.o.b. delivered
Print and bind 35,000 copies of Time Table, First Semester, 1964-65, trim size 5½ in. by 8½ in., approximately 352 pages per copy	University Press	Wisconsin Cuneo Press, Inc., Chicago	7 758 00 f.o.b. delivered
Print and bind 80,000 copies Under- graduate Study, 1964-65, trim size 6 in. by 9 in., approximately 368 pages per copy	University Press	R. R. Donnelley & Sons Co., Chicago	26 168 20 f.o.b. delivered
Print and bind 40,000 copies of Gradu- ate College Catalog, 1964-65, trim size 6 in. by 9 in., approximately 328 pages per copy	University Press	Pantagraph Printing & Stationery Co., Bloomington	14 857 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Print and bind 1,500 copies of <i>The Papers of William Hickling Prescott</i> , edited by C. Harvey Gardiner, trim size 6 1/4 in. by 9 1/4 in., approximately 496 pages (Note: This purchase will be made from both Appropriated Funds, \$3,050.91, and Institutional Funds, \$3,050.91, for a total of \$6,101.82.)	University Press	Vail-Ballou Press, Inc., New York, N.Y.	\$ 3 050 91 f.o.b. delivered
One tractor, 1964, with five-gang front-mounted mower units, dual-drive front wheels, rear steering, hydraulic lift system; less trade-in of 1959 Worthington tractor	Physical Plant	Leon Short & Sons, Inc., Keokuk, Iowa	5 754 00 f.o.b. delivered

*Purchases from Institutional Funds*

One hundred dental manikins to be used in teaching the undergraduate dental student technique with dental instruments	Applied Materia Medica and Therapeutics, Chicago	Columbia Dentoform Corp., New York, N.Y.	\$ 3 185 00 f.o.b. New York, N.Y.
One research recorder and accessories	Medicine, Chicago	Electronics for Medicine, Inc., White Plains, N.Y.	7 355 00 delivered
Polarizing photomicroscope equipped for phase and brightfield microscopy	Orthodontics, Chicago	W. H. Kessel & Co., Chicago	6 484 30 delivered
One spectrophotometer	Pharmacy, Chicago	E. H. Sargent & Co., Chicago	2 970 00 delivered
Dental laboratory service for the Prosthodontics Clinic, consisting of the processing of artificial teeth in plastic and the furnishing of removable partial denture castings, for the period March 1, 1964, through June 30, 1964, renewable for one year by mutual agreement	Prosthodontics Clinic, Chicago	Twentieth Century Dental Laboratory, Inc., Chicago	9 998 76 delivered
One fifteen-passenger station wagon coach with standard heavy duty coach construction, V-8 283 h.p. engine, super-hydraulic four-speed transmission, power brakes, power steering, Saf-T-Track differential, dual heaters and defrosters, heavy duty frame reinforcements, electric wipers and washers, tinted glass, roof baggage rack and tarpaulin, and undercoating	Physical Education and Athletic Activities, Chicago Undergraduate Division	Al Abrams Motor Sales, Inc., Chicago	6 709 20 delivered
One audio tape duplicating system with full-track heads	Agriculture Extension Editor's Office	Allied Electronics, Chicago	3 666 66 f.o.b. delivered
One table top cabinet	Agronomy	Research Specialties Co., Richmond, Calif.	4 523 00 f.o.b. delivered
One spectrophotometer, programmed, double beam with grating monochromator, one automatic readout attachment and sample turntable for general use in Turner Hall	Agronomy	LaPine Scientific Co., Chicago	7 150 00 f.o.b. delivered
Twenty-five microscopes, inclined, monocular, standard teaching			
Twenty-five stereomicroscopes, student, for three dimensional viewing			
Twenty-five illuminators, for student microscopes			
One gas chromatograph with hydrogen generator, recorder, disc integrator, syringes, pressure regulator and columns for use by the Department of Agronomy in Turner Hall	Agronomy	Wilkins Instrument & Research, Inc., Walnut Creek, Calif.	3 125 73 f.o.b. delivered
One spectrometer system EPR with dual channel recorder and accessories, for structure determinations of substances containing unpaired electrons	Chemistry and Chemical Engineering	Varian Associates, Palo Alto, Calif.	56 050 00 f.o.b. delivered
One spectrum analyzer, special, single channel d.c. analog power and correlation computer; power spectra 0.01 to 100 cps, bandwidth 0.02 to 200 cps, integration time 10 to 1000 seconds; correlation computer integration time 10 to 1000 seconds	Chemistry and Chemical Engineering	Boonshaft & Fuchs, Inc., Hatboro, Pa.	12 825 00 f.o.b. delivered
One analyzer, spectrochrome, for use in research on the separation of biologically active molecules, especially proteins and nucleic acids	Chemistry and Chemical Engineering	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	23 809 00 f.o.b. delivered



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of laboratory apparatus and equipment including a refrigerated centrifuge and accessories, 48 gas cylinder clamps, 36 scalpels, 96 pair dissecting scissors, 144 spatulas, 312 ring supports, and 288 polyethylene centrifuge tubes; the apparatus items are for General Chemical Stores stock and are estimated to be a three-month supply	General Chemical Stores	LaPine Scientific Co., Chicago	\$ 3 360 00 f.o.b. delivered
One spectrophotometer, tungsten lamp, hydrogen lamp, power supply and apparatus including 504 test tube brushes, 216 polyethylene wash bottles, 400 feet black rubber tubing, and 300 feet assorted sizes of red rubber vacuum tubing; these items are for stock in the General Chemical Stores and are estimated to be a two-month supply	General Chemical Stores	Chemical Rubber Co., Cleveland, Ohio	2 662 10 f.o.b. delivered
One ultrasonic impact grinder, parallelogram suspension, power input 250 watts at 115 volts, power output 100 watts, frequency 22 to 28 KC	Chemistry and Chemical Engineering, Glassblowing Laboratory	Raytheon Co., CAS Division, Chicago	3 272 50 f.o.b. delivered
One counter, frequency period, digital with frequency range module and frequency-period module: 0-25 mc, 1 microsecond to 100 seconds gate time, period measurement of 0.1 microsecond to 1000 seconds, 10 to 10 <sup>6</sup> periods	Coordinated Science Laboratory	Computer Measurements Co., c/o Pivan Engineering Co., Chicago	2 759 16 f.o.b. delivered
480 connectors, strip, micro-miniature, 50 mil.	Digital Computer Laboratory	ITT Cannon Electric, Inc., Anaheim, Calif.	2 559 40 f.o.b. delivered
One oscilloscope, with sampling probe dual trace plug-in unit and timing plug-in unit, 2 mv to 200 mv/cm calibrated sensitivity, 1 nanosec/cm to 100 microsec/cm calibrated sweep speed, with miniature direct sampling probes	Digital Computer Laboratory	Tektronix, Inc., Park Ridge	3 500 00 f.o.b. Beaverton, Ore.
3,000 transformers, special for transfer memory systems	Digital Computer Laboratory	Wabash Magnetics, Inc., Wabash, Ind.	5 500 00 f.o.b. delivered
One spectrophotometer, double beam, recording, with gratings, rack mounted, including detectors for use in research on P-N laser junctions	Electrical Engineering	Perkin-Elmer Corp., La Grange	25 514 00 f.o.b. delivered
One residual gas analyzer for continuous analysis of gas remaining in evacuated systems for use by the Electrical Engineering Research Laboratory	Electrical Engineering Research Laboratory	Consolidated Electrodynamics Corp., Chicago	4 461 00 f.o.b. delivered
One centrifuge, preparative, refrigerated and with vacuum system complete with rotor lid and handle, tubes, tube caps and wrenches; the instrument will be used in the study of the physical-chemical state of milk proteins in their natural environment	Food Science	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	8 680 40 f.o.b. delivered
One nuclear sample changing and counting system (35 sample capacity) consisting of one automatic sample changer, one gas regulator, one printing timer, O <sub>2</sub> gas and cylinder, gas flow counter, lead shield, and decade scaler	Horticulture	Nuclear-Chicago Corp., Chicago	3 969 69 f.o.b. delivered
One wafering (cutting) machine, table 5½ in. by 12¼ in., with magnetic chuck, orientation fixture, and coolant system	Mining, Metallurgy, and Petroleum Engineering	Micromech Manufacturing Corp., Union, N.J.	3 455 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Labor, machine time, and materials for the construction of parts and accessories for three SMP (scanning and measuring projectors) machines, produced at the U.S. Atomic Energy Commission supported Lawrence Radiation Laboratory at the University of California	Physics	Lawrence Radiation Laboratory, University of California, Berkeley	\$12 380 00 f.o.b. Berkeley, Calif.
One automatic helium re-purifier and liquefier system to modify and increase production from an average of 250 liters per week to approximately 1,000 liters of helium per week	Physics	Arthur D. Little, Inc., Cambridge, Mass.	30 787 70 f.o.b. Cambridge, Mass.
Paper pads, writing type, 100 sheets each: 1,150 lbs. 3 in. by 5 in., white and colored, not ruled 2,500 lbs. 4 in. by 6 in., white, not ruled 3,500 lbs. 5½ in. by 8½ in., white, not ruled 14,000 lbs. 8½ in. by 11 in., white and canary, not ruled 400 gross 8½ in. by 11 in., white and canary, ruled The above is for stock in the Office Supply Storeroom and is estimated to be a twelve-month supply	Office Supply Storeroom	W. M. Putnam Co., Bloomington	10 575 74 f.o.b. delivered
Lounge furniture for the Browning Room and the Wedgwood Lounge in the Illini Union: sixteen lounge chairs, six arm chairs, four occasional tables 42 in. square	Illini Union	L. B. Herbst Corp., Chicago	2 577 60 f.o.b. delivered
Furnish fixtures and equipment for the Paper Back Book Center in the Illini Union	Illini Union	Loughman Cabinet Co., St. Louis, Mo.	19 169 00 f.o.b. delivered
Print and bind 2,000 copies of <i>Magazines in the Twentieth Century</i> , Second Edition, by Theodore Peterson, trim size 6 in. by 9 in., approximately 512 pages per copy	University Press	Pantagraph Printing & Stationery Co., Bloomington	6 570 30 f.o.b. delivered
Air-conditioning units, window type of various cooling capacities to be furnished as required during the period March 1, 1964, to November 1, 1964, at Urbana and Chicago: 100 (approximately) Group I, 10,000 BTU/HR. capacity 70 (approximately) Group II, 14,000 BTU/HR. capacity 60 (approximately) Group III, 16,000 BTU/HR. capacity 39 (approximately) Group IV, 28,000 BTU/HR. capacity	Physical Plant	Central Illinois York Company, Springfield Group I Yeomans Distributing Company, Peoria Groups II, III, and IV	14 500 00 + 35 009 72 (49 509 72) f.o.b. delivered
Steel laboratory furniture for use in remodeling laboratory in the Vegetable Crops Building	Physical Plant	Laboratory Furniture Co., Inc., Mineola, N.Y.	3 825 00 f.o.b. delivered
Lounge furniture for Physics Building: twenty tables, six settees, twenty-seven arm chairs	Physical Plant	S. Buckman Furniture & Supply, Spring Valley	4 031 40 f.o.b. delivered
Foreign workmen's compensation and employers liability insurance	Bursar's Division, Contracts Office	Rollins Burdick Hunter Co., Chicago, representing Insurance Co. of North America	3 900 00 estimated premium

On motion of Mr. Johnston, these purchases were authorized.

#### QUARTERLY REPORT OF THE COMPTROLLER

(18) The Comptroller presented his quarterly report to the Board as of December 31, 1963.

This report was received for record, and a copy has been filed with the Secretary of the Board.

## COMPTROLLER'S REPORT OF CONTRACTS

(19) The Comptroller's report of contracts executed during the period January 1 to 31, 1964.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Air Force AF19(628)-3819	Matrix representations of boundary value problem solutions	\$20 000 00	December 1, 1963
United States Air Force AF30(602)-3325	Clean surface studies on semiconductors	37 720 00	January 6, 1964
United States Army DA-36-039-AMC-3720(E)	Basic elements of design of an improved radio direction-finding and radio-location system for the MF-HF-VHF range	109 614 00	December 30, 1963
United States Atomic Energy Commission AF(11-1)-1339	Fission product levels and metabolism in food producing animals	25 789 00	December 1, 1963
United States Department of Health, Education, and Welfare OEA-10-080	Relief of performance anxiety	4 939 00	December 9, 1963
<b>Total</b>		<b>\$198 062 00</b>	

## Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Allis-Chalmers Manufacturing Co.	Rental of farm machinery: two items, \$168.49 and \$564.56	\$ 733 05	June and July, 1963
John Deere Co. of Moline	Rental of farm machinery: two items, \$48.57 and \$712.83	761 40	November 27, 1963
Eversman Manufacturing Co.	Rental of farm machinery: one leveler, two scrapers, and attachments	334 40	December 7, 1963
Farm Equipment Sales Co.	Rental of farm machinery: one tillage with attachments	70 00	December 6, 1963
International Harvester Co.	Rental of farm machinery: sixteen items, \$26.17 to \$1,315.12	7 190 97	September, October, and December, 1963
MacCarthy Ford Tractor Sales, Inc.	Rental of farm machinery: five items, \$62.42 to \$734.30	1 620 04	July and December, 1963
George Maxwell (renewal)	One dairy barn, one hog barn, two loafing sheds, and one paved lot to be used in research study entitled "The Leukemia Lymphosarcoma Syndrome of Cattle and Swine," July 1, 1963, through November 30, 1964	2 550 00 (\$150.00 per month)	December 1, 1963
New Idea Farm Equipment Co.	Rental of farm machinery: three items, \$45.90 to \$148.70	283 91	July and November, 1963
Starline, Inc.	Rental of farm machinery: one barn cleaner with accessories	140 00	December 9, 1963
<b>Total</b>		<b>\$13 683 77</b>	

## Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Agency for International Development AIDC-1453	Technical advice and assistance requested by the government of India	\$449 054 00	October 15, 1963
Morris Animal Foundation	Babesia-Canis (piroplasmiasis) in the intact and splenectomized dog	900 00	December 19, 1963
United States Army DA-11-022-ORD-874(X)	Nucleophilic attack of aromatic rings by organometallic compounds	1 428 71	December 26, 1963
United States Army DA-31-124-ARO(D)-55	Electrochemistry of fused salts	19 803 00	December 4, 1963
United States Army DA-36-039-AMC-00066(E)	Microwave duplexer switching mechanisms	50 000 00	December 17, 1963
United States Army DA-49-193-MD-2399	Determination of free chlorine residuals in water	7 444 00	December 10, 1963
United States Atomic Energy Commission AT(11-1)-182	Determine the nature and number of lattice imperfections introduced into crystalline solids by nuclear irradiation at liquid helium temperature	5 824 99	December 20, 1963

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Atomic Energy Commission AT(11-1)-415	Research on electronic high-speed digital computers	\$450 640 00	January 15, 1964
United States Atomic Energy Commission AT(11-1)-903	Mechanism of biologically catalyzed reactions and the metabolites and pathway in which they function	4 270 00	December 16, 1963
United States Atomic Energy Commission AT(11-1)-1195	Research in elementary particle physics	900 000 00	January 15, 1964
United States Atomic Energy Commission AT(29-1)-789 (sub-contract with Sandia Corp.)	Determine the coefficient of friction for pairs of 17-4 ph stainless steel, 20 degrees involute spur gears of 96 pitch, 96 teeth in each gear	2 085 00	November 29, 1963
United States Navy Nobs-88283	Low-cycle, high-stress fatigue be- havior of materials and structural components of steels, typical of ship applications	30 000 00	December 31, 1963
United States Navy Nonr-1834 (22)	Radio astronomy	100 000 00	July 31, 1963
United States Navy Nonr-1834(27)	Numerical analysis, switching cir- cuit theory, and the use of com- puters for the study of computer circuits	13 279 00	January 9, 1964
<i>Total</i>		<u>\$2 034 728 70</u>	

#### Adjustments Made in 1963-64 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
George S. Grimmett & Co. (Plastering)	Twenty-four items: \$78.56 deduct to \$2,845.00	\$ 4 369 85	December, 1963, and January, 1964

This report was received for record.

#### INVESTMENT REPORT Report of the Comptroller

(20) The Comptroller reported the following changes in investments of certain funds, over which he has authority as indicated, for the month of December, 1963:

##### *Endowment Funds*

Miller (June 20, 1962)

Purchase

158/200 share Commonwealth Edison common stock \$ 14 96

##### *Current Funds*

Restricted Group (June 20, 1962)

Purchase

\$ 200 000 Beneficial Finance notes due 7/15/64 \$195 285 42

500 000 Sears Roebuck Acceptance Corporation notes  
due 8/14/64 486 685 07

600 000 U. S. Treasury bills due 2/27/64 595 534 00

##### *Construction Funds*

Assembly Hall (June 23, 1959, and March 17, 1962)

Purchase

\$ 95 000 U. S. Treasury bills due 3/12/64 \$ 94 265 33

Chicago — Congress Circle Union (June 19, 1963)

Purchase

\$ 127 000 U. S. Treasury bills due 2/13/64 \$126 314 48

Illini Union and Health Center (December 21, 1960)

Purchase

\$ 55 000 U. S. Treasury bills due 2/13/64 \$ 54 663 64

165 000 U. S. Treasury bills due 3/19/64 163 596 40

Illinois Street Residence Halls (October 17, 1962)

Purchase

\$ 98 000 U. S. Treasury bills due 3/12/64 \$ 97 140 40

**Orchard Downs and SG-2 (June 14, 1960)****Purchase**

\$ 103 000	U. S. Treasury bills due 3/19/64	\$102 123 81
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**Orchard Downs Addition (May 24, 1962)****Purchase**

\$ 65 000	U. S. Treasury bills due 2/13/64	\$ 64 676 08
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**Pennsylvania Avenue Residence Halls (June 21, 1961)****Purchase**

\$ 10 000	U. S. Treasury bills due 2/13/64	\$ 9 940 50
102 000	U. S. Treasury bills due 3/12/64	101 208 93

**Student Services (May 17, 1961)****Purchase**

\$ 10 000	U. S. Treasury bills due 2/13/64	\$ 9 940 50
28 000	U. S. Treasury bills due 3/12/64	27 782 84

**Sinking Fund****Illini Union and Health Center (December 21, 1960)****Sale**

\$ 142 000	U. S. Treasury bills due 2/20/64	\$141 125 28
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**Purchase**

\$ 142 000	U. S. Treasury bills due 3/19/64	140 730 52
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On motion of Mr. Williamson, this report was received for record.

**AGREEMENTS WITH ILLINOIS BUILDING AUTHORITY**

(21) The Illinois Building Authority, created by the General Assembly in 1961, is a separate public corporation empowered to construct such buildings and facilities as the General Assembly shall declare to be in the public interest. The Authority is to finance such construction by the issuance and sale of bonds, serviced and retired from revenues solely derived from the lease of such facilities to state agencies and institutions, including the University. The Illinois Building Authority Act provides that rentals under such leases are to be paid solely from appropriations for that purpose by the General Assembly and from any revenues derived from the operation of the leased premises.

In 1963 the General Assembly declared the following University of Illinois buildings and projects to be in the public interest, thereby indicating that the funding of these projects was to be by the Illinois Building Authority.

1. Construction of Civil Engineering Building, Urbana-Champaign...	\$ 4 216 000
2. Acquisition of land for building sites, Urbana-Champaign.....	1 000 200
3. Plans and planning to complete architectural studies, Congress Circle, Chicago .....	900 000
4. Equipment for University of Illinois buildings constructed from Universities Building Fund.....	4 799 500
5. Construction of Veterinary Medicine Clinic and Hospital, Urbana-Champaign .....	4 000 000
<i>Total</i> .....	\$14 915 700

The General Assembly also appropriated to the University of Illinois \$1,790,000 for the payment of rentals on the leases for these buildings and projects to be executed by the University with the Illinois Building Authority for the 1963-65 biennium.

Under the Act the University will transfer jurisdiction and title to land it now owns and on which the Civil Engineering Building and the Veterinary Medicine Hospital and Clinic Buildings will be located to the Illinois Building Authority.

The leases will provide that rental is payable only out of appropriations made for such purposes by the General Assembly or from revenues derived from the operation of the facilities. Each lease will contain biennial renewal clauses to coincide with the anticipated continuing appropriations by the General Assembly. When the rental payments under the lease total the amounts indicated for each project, plus administrative, legal, interest, and debt retirement costs of the Authority, title to the properties will be conveyed to the University.

The Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel recommend that the Comptroller and the Secretary of the Board be authorized to execute the necessary documents for these purposes, and that the following resolution be adopted.

I concur.

### Resolution

WHEREAS the Illinois Building Authority, a body corporate and politic of the State of Illinois created by the General Assembly of the State of Illinois, is empowered to acquire by purchase or otherwise, construct, complete, remodel, maintain, and equip any and all buildings and other facilities as the General Assembly by law declares to be in the public interest; and

WHEREAS in accordance with the Illinois Building Authority Act the Seventy-third General Assembly of the State of Illinois has declared the following University of Illinois projects to be in the public interest:

Construction of Civil Engineering Building, Urbana-Champaign,  
Acquisition of land for building sites, Urbana-Champaign,  
Plans and planning to complete architectural studies, Congress Circle, Chicago,  
Equipment for University of Illinois buildings constructed from Universities Building Fund,  
Construction of Veterinary Medicine Clinic and Hospital Building, Urbana-Champaign,

and

WHEREAS The Board of Trustees of the University of Illinois, a body corporate and politic of the State of Illinois, will be requested by the Illinois Building Authority to enter into leases, transfer jurisdiction of real estate, and take other actions to carry out and complete the above projects in accordance with the Illinois Building Authority Act;

*Now, Therefore,* be it and it is hereby resolved by The Board of Trustees of the University of Illinois as follows:

Section 1. That the Illinois Building Authority be and it hereby is requested to provide the foregoing projects and facilities for and on behalf of the University of Illinois.

Section 2. That the Comptroller and Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this corporation such instruments of conveyance, lease, contract, or other document or documents as are necessary or appropriate in order to provide for the carrying out of the foregoing projects and facilities by the Illinois Building Authority.

Section 3. That during any period in which this Board of Trustees is not in session, its Executive Committee be empowered to act for the entire Board and on its behalf involving any action between this Board and the Illinois Building Authority concerning real estate related to the foregoing projects and facilities.

On motion of Mr. Swain, authority was given as recommended, and the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

### TRANSFER OF PROPERTY FOR ADDITION TO WATER RESOURCES BUILDING

(22) Section 62 of Chapter 127 of the Illinois Revised Statutes provides that the functions and duties formerly exercised by the State Water Survey are vested in the Department of Registration and Education and shall continue to be exercised at the University of Illinois in buildings provided by the Trustees.

In 1963 the General Assembly declared it to be in the public interest that the Illinois Building Authority construct an Addition to the Water Survey Building in Champaign on behalf of the Department of Registration and Education. Section 4 of the Illinois Building Authority Act, as amended, provides:

"Any department, board, commission, agency, or other officer of this State or the Board of Trustees of the University of Illinois, the Board of Trustees

of Southern Illinois University or the Teachers College Board may transfer jurisdiction of or title to any property under its or his control to the Authority when such transfer is approved, in writing, by the Governor as being advantageous to the State."

The Department of Registration and Education has requested the Board of Trustees of the University of Illinois to transfer to the Illinois Building Authority jurisdiction and title to property now owned by the University and on which the Addition to the Water Survey Building is to be constructed.

The Vice-President and Comptroller and the Director of the Physical Plant recommend that such request be complied with on condition that title to the property revert to the University of Illinois when the Department of Registration and Education has completed the rental payments required by its lease with the Illinois Building Authority.

I concur and recommend the adoption of the following resolution.<sup>1</sup>

On motion of Mr. Johnston, this recommendation was approved and the resolution submitted was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

**STATEMENT BY MR. HOWARD W. CLEMENT,  
PRESIDENT OF THE BOARD**

Publication of an article by a University Professor of the Classics on the subject of the federal government has resulted in nationwide publicity and public reaction which have been major concerns of every member of the Board of Trustees.

In view of this widespread public reaction and because of many inquiries by citizens to individual Board members, the matter, although not on the agenda or officially before this Board at this time, must receive attention.

We have expressed our concerns to the President and he advises me that he has prepared a statement on the matter for presentation at this time.

**STATEMENT BY DR. DAVID D. HENRY,  
PRESIDENT OF THE UNIVERSITY**

During the past week, a member of the faculty in Classics at the University of Illinois has been involved in nationwide publicity concerning an article on the federal government which he published.

Mr. Revilo Oliver, in this article, wrote on a subject beyond his University responsibilities, as a private citizen, for a non-university journal. Ordinarily, the University takes no notice of a professor's comment or conduct as a citizen. His right to dissent, to express unorthodox views, and to criticize is not only recognized, it is protected by the tradition of academic freedom at the University of Illinois, in the academic world, and by the Statutes governing the University.

That Mr. Oliver's views are not shared by this academic community is certain. I believe my colleagues agree, as I said earlier, that his unsupported accusations, and his unreasoned and vitriolic attack on the character and patriotism of President Kennedy are beyond the bounds of good taste in public comment and the normal proprieties of public

<sup>1</sup> This resolution was rescinded by the Board of Trustees on March 18, 1964, and therefore is not printed in these minutes. A revised resolution was adopted on March 18, 1964, and appears in the minutes of that meeting. — Secretary's Note.

debate. Mr. Oliver's expression raises questions as to whether he has complied with the expectations for professional responsibility.

Some, outside the University community, do not understand that academic freedom and its corollary, academic responsibility, have evolved for the protection of both the student and the teacher, and are essential to the search for truth.

When, as in the case of Mr. Oliver's article, massive public reaction occurs there is a tendency for those not familiar with the concepts of academic freedom, and the reasons for its existence, to formulate judgments based on issues and standards which do not apply in the academic environment.

I would make clear, however, that observance of professional standards is expected, but by custom this is a matter for professionals to consider.

Earlier I indicated that there was nothing concerning Mr. Oliver's statement before me as President. Under the procedures of the University, there is still nothing before me. However, I plan to ask the Urbana Senate Committee on Academic Freedom and Tenure to review the situation and give me their advice.

#### **MOTION OF MRS. FRANCES B. WATKINS, MEMBER OF THE BOARD**

I move that the Board endorse the President's statement. It makes three points clear:

1. Mr. Oliver did not speak for the University, its faculty, the administration, or this Board;
2. The University strongly supports the principles of academic freedom and established procedures which require that no action be taken without an opportunity for prior faculty consultation;
3. That the administration and the Board are now seeking faculty advice.

This motion was unanimously adopted.

#### **MINUTES APPROVED**

The Secretary presented the minutes of the meeting of the Board of Trustees on June 19, 1963, press proof copies of which have previously been sent to the Trustees.

On motion of Mr. Johnston, these minutes were approved as printed on pages 531 to 676, inclusive.

#### **APRIL BOARD MEETING**

On motion of Mr. Swain, the Board voted to hold the April meeting at the Chicago Undergraduate Division at Navy Pier on Wednesday, April 15, 1964.

#### **RECESS**

On motion of Mr. Pogue, the Board recessed to await a report from Chicago on the bids on the Housing Revenue Bonds to finance construction of the Graduate Residence Halls.

When the Board reconvened, the same members of the Board, officers of the University, and officers of the Board were present as recorded in the beginning of these minutes.



**HOUSING REVENUE BONDS OF 1964, SERIES A AND B**

(23) Bids were received at 11:00 a.m., February 19, 1964, for the sale of \$1,440,000 Housing Revenue Bonds of 1964, Series A, and \$2,660,000 Housing Revenue Bonds of 1964, Series B, to finance construction of the Graduate Residence Halls Unit 3.

The Vice-President and Comptroller recommends that the Series A Bonds be sold to F. S. Smithers and Company, New York, and Associates at a price of \$1,437,681.60 plus accrued interest and at an effective interest rate of 3.6564 per cent, which represents the lowest interest cost to the University, and that \$1,480,000 of Series B bonds maturing in 1966 through 1993 be sold to F. S. Smithers and Company and Associates at par plus accrued interest and at an effective interest rate of 3.564 per cent. The Series B Bonds are awarded on the basis of the lowest interest cost to the University for the largest number of bonds bid upon. A tabulation of the bids received is presented and a copy has been filed with the Secretary of the Board for record.

The Vice-President and Comptroller presents a Loan Agreement (Contract No. H(402)-1795) with the Federal Housing and Home Finance Agency and recommends that he be authorized to execute it. In accordance with the provisions of the Loan Agreement, he recommends that \$1,180,000 Series B Bonds maturing in 1994 through 2003 be sold to the Housing and Home Finance Agency at par and accrued interest and at an interest rate of 3½ per cent.

The Vice-President and Comptroller also presents the Seventh Supplemental Housing Bond Resolution supplementing the Resolution approved December 17, 1958, and creating \$1,440,000 Housing Revenue Bonds of 1964, Series A, and \$2,660,000 Housing Revenue Bonds of 1964, Series B, and recommends its adoption.

He further recommends that the Board: (1) authorize the execution of the bonds by A. J. Janata, Secretary of the Board, by facsimile signatures of the President of the Board, and by the facsimile signatures of Frances B. Watkins and Timothy W. Swain, members of the Board; and (2) ratify and confirm all actions taken or to be taken by the officers and members of the Board in connection with the sale and delivery of the bonds to the purchasers indicated above.

I concur.

On motion of Mr. Johnston, these recommendations were approved and the Seventh Supplementary Housing Bond Resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

**Seventh Supplemental Housing Revenue Bond Resolution**

A RESOLUTION CREATING AND AUTHORIZING THE ISSUE, AUTHENTICATION, AND DELIVERY OF \$1,440,000 HOUSING REVENUE BONDS OF 1964, SERIES A, AND \$2,660,000 HOUSING REVENUE BONDS OF 1964, SERIES B, AND FURTHER SUPPLEMENTING A RESOLUTION DULY ADOPTED BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS ON DECEMBER 17, 1958.

WHEREAS, The Board of Trustees of the University of Illinois, on due consideration and investigation, does now find and determine that it is advisable and necessary and in the interests of the University of Illinois and the welfare of its students and faculty to construct and equip additional buildings and related facilities for the purpose of housing its students and staff; and

WHEREAS, in order to provide such facilities it is advantageous to the University and necessary that the University borrow money and issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes 1963, and all laws amendatory thereof and supplemental thereto; and

WHEREAS, The Board of Trustees of the University of Illinois on December 17, 1958, did duly adopt a resolution (herein sometimes called "Original Resolution") providing for the issuance of revenue bonds; and

WHEREAS, The Board of Trustees of the University of Illinois on June 23, 1959, October 21, 1959, June 14, 1960, May 17, 1961, May 24, 1962, and October 17, 1962, respectively, duly adopted First through Sixth Supplemental Resolutions for

the purpose of supplementing the Original Resolution and providing for the issuance of additional revenue bonds thereunder, and

WHEREAS, there are now issued and outstanding under the Original Resolution as supplemented by the First through Sixth Supplemental Resolutions thereto, \$30,638,000 aggregate principal amount of Bonds designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds", and having the further designations of year and series in the respective principal amounts as follows:

<i>Year and Series</i>	<i>Principal Amount</i>
1958, Series A.....	\$1,550,000
1958, Series B.....	1,457,000
1959, Series A.....	80,000
1959, Series B.....	1,474,000
1959, Series C.....	3,370,000
1959, Series D.....	3,267,000
1960, Series A.....	4,960,000
1960, Series B.....	4,970,000
1960, Series C.....	710,000
1962, Series A.....	2,100,000
1962, Series B.....	2,400,000
1962, Series C.....	4,300,000

WHEREAS, The Board of Trustees of the University of Illinois now desires to create and to authorize the issue, authentication and delivery of an additional issue of Bonds under and in accordance with the Resolution as supplemented by this Seventh Supplemental Resolution thereto which additional Bonds are to be limited to the aggregate principal amount of \$4,100,000 at any one time outstanding, \$1,440,000 of which shall be known as "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1964, Series A" (hereinafter called "1964 Series A Bonds") and \$2,660,000 of which shall be known as "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1964, Series B" (hereinafter called "1964 Series B Bonds").

Now, Therefore, Be It Resolved by The Board of Trustees of the University of Illinois:

#### ARTICLE ONE

##### SUPPLEMENTARY PROVISIONS RELATING TO INCOME AND THE APPLICATION THEREOF

SECTION 1.1. *Pledge of Revenues.* The pledge of the revenues (including the revenues to be derived from the operation of Project H hereinafter mentioned) contained in Section 5.01 of the Original Resolution and Section 1.1 of each of the First through Sixth Supplemental Resolutions is hereby ratified and confirmed and all revenues to be derived from the operation of Project H are hereby specifically pledged for the purposes mentioned in said Section 5.01 of the Original Resolution.

SECTION 1.2. *Supplementation of Revenues.* It is hereby determined by the Board of Trustees and it is hereby covenanted that in view of the additional issue of Bonds to be outstanding it is necessary to supplement the revenues to be derived from the facilities by a further use of student tuitions which are authorized by law to be retained in the Treasury of the University and therefore the limitation contained in clause (b) of Section 5.03 of the Original Resolution as supplemented by Section 1.2 of each of the First through Sixth Supplemental Resolutions be and the same is hereby increased by an amount equal to \$110,000 so that such supplementation shall henceforth be an amount not to exceed in any one fiscal year the lesser of (a) an amount which when added to the revenues to be derived from the facilities will be sufficient to meet the annual operating expenses of the facilities and to provide for the payments required to be made into the Bond and Interest Sinking Fund established for the benefit of the Bonds in subsection (b) of Section 5.02 of the Original Resolution, or (b) \$1,220,000 plus such additional sums as may be specified in any other resolution supplemental to the Resolution as supplemented hereby, creating or authorizing the issuance of additional Bonds.

## ARTICLE TWO

## 1964 SERIES A AND 1964 SERIES B BONDS AND THE ISSUANCE THEREOF

SECTION 2.1. *Project H and Purpose of Issue of Bonds.* The project (hereinafter designated "Project H") to be acquired, constructed, equipped and completed pursuant to this Seventh Supplemental Resolution is described in a general way as:

A residence hall, consisting of two housing buildings and a connecting lounge, to be located at 909 South Fifth Street in Champaign, Illinois, for approximately 465 single graduate students, sometimes known as Graduate Residence Halls #3; plus acquisition by purchase of eight improved properties located on Fifth Street and Chalmers Street, immediately south of Graduate Residence Halls #3, to be used as student residence halls and apartments for approximately 68 students.

The estimated cost of said Project H is \$4,100,000 exclusive of land on which Graduate Residence Halls #3 is to be located. The estimated cost of each portion of said Project H is more fully set forth in the plans and specifications therefor on file with the Comptroller of the University.

It is hereby determined that in order to produce the funds necessary to construct and equip Project H that the University borrow the sum of \$4,100,000 and in evidence thereof to issue its Housing Revenue Bonds hereunder in said principal amount.

All redemptions shall be made in the manner, upon the notice, and with the effect provided in Article Three of the Original Resolution, provided that if registered 1964 Series A Bonds and 1964 Series B Bonds without coupons are to be redeemed in part only, such redemption shall be made in amounts of \$5,000 or a multiple thereof and in selecting Bonds for redemption by lot the Trustee shall make such selection in such manner as may be deemed by it proper to the end that all 1964 Series A Bonds and 1964 Series B Bonds remaining outstanding after giving effect to such partial redemption shall be in denominations of \$5,000 or multiples thereof.

SECTION 2.2. *Terms of 1964 Series A Bonds and 1964 Series B Bonds.* There is hereby created and authorized two additional series of Bonds to be issued under the Resolution as supplemented by this Seventh Supplemental Resolution to be substantially in the form and of the tenor and purport hereinafter set forth and limited to the aggregate principal amount of Four Million One Hundred Thousand Dollars (\$4,100,000) at any one time outstanding, One Million Four Hundred Forty Thousand (\$1,440,000) of which shall be designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1964, Series A" (hereinafter called "1964 Series A Bonds") and Two Million Six Hundred Sixty Thousand (\$2,660,000) of which shall be designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1964, Series B" (hereinafter called "1964 Series B Bonds").

The 1964 Series A Bonds and the 1964 Series B Bonds shall be issued as negotiable coupon Bonds dated April 1, 1964, registrable as to principal in the demonination of \$5,000 or as fully registered Bonds without coupons, dated as of the interest payment date to which interest was last paid, next preceding the date of issue, unless issued on an interest payment date on which interest was paid, in which case they shall be dated as of the date of issue, or unless issued prior to October 1, 1964, in which case they shall be dated April 1, 1964. Each fully registered Bond without coupons shall be of a single maturity. Fully registered Bonds without coupons shall be numbered in such manner satisfactory to the Trustee as may be designated by the Comptroller and shall be issued in denominations of \$5,000 or multiples thereof, shall bear interest from April 1, 1964, payable semiannually on the first days of April and October in each year until paid, commencing October 1, 1964, at the rates provided below and shall mature in the following amounts on October 1 of the following years:

<i>Year of Maturity</i>	<i>1964 Series A Bonds</i>		<i>1964 Series B Bonds</i>	
	<i>Amount</i>	<i>Interest Rate</i>	<i>Amount</i>	<i>Interest Rate</i>
1966.....	\$ 20,000	3 1/4%	\$ 40,000	3 1/4%
1967.....	20,000	3 1/2%	40,000	3 1/2%
1968.....	30,000	3 1/2%	40,000	3 1/2%
1969.....	30,000	3 1/2%	40,000	3 1/2%
1970.....	30,000	3 1/2%	40,000	3 1/2%
1971.....	30,000	3 1/2%	40,000	3 1/2%
1972.....	30,000	3 1/2%	40,000	3 1/2%
1973.....	30,000	3 1/2%	40,000	3 1/2%
1974.....	30,000	3 1/2%	40,000	3 1/2%
1975.....	30,000	3 1/2%	40,000	3 1/2%
1976.....	30,000	3 1/2%	50,000	3 1/2%
1977.....	30,000	3 1/2%	50,000	3 1/2%
1978.....	30,000	3 1/2%	50,000	3 1/2%
1979.....	30,000	3 1/2%	50,000	3 1/2%
1980.....	30,000	3 1/2%	50,000	3 1/2%
1981.....	30,000	3 1/2%	50,000	3 1/2%
1982.....	30,000	3 1/2%	50,000	3 1/2%
1983.....	30,000	3 1/2%	50,000	3 1/2%
1984.....	30,000	3 1/2%	50,000	3 1/2%
1985.....	40,000	3 1/2%	50,000	3 1/2%
1986.....	40,000	3 1/2%	50,000	3 1/2%
1987.....	40,000	3.60%	50,000	3.60%
1988.....	40,000	3.60%	60,000	3.60%
1989.....	40,000	3.60%	70,000	3.60%
1990.....	40,000	3.60%	80,000	3.60%
1991.....	40,000	3.60%	80,000	3.60%
1992.....	40,000	3.60%	90,000	3.60%
1993.....	40,000	3.70%	100,000	3.70%
1994.....	40,000	3.70%	100,000	3 5/8%
1995.....	40,000	3.70%	100,000	3 5/8%
1996.....	40,000	3.70%	100,000	3 5/8%
1997.....	40,000	3.70%	100,000	3 5/8%
1998.....	50,000	3.70%	110,000	3 5/8%
1999.....	320,000	3 3/4%	120,000	3 5/8%
2000.....	.....	.....	130,000	3 5/8%
2001.....	.....	.....	130,000	3 5/8%
2002.....	.....	.....	140,000	3 5/8%
2003.....	.....	.....	150,000	3 5/8%

The 1964 Series A Bonds and the 1964 Series B Bonds shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on April 1, 1974, or on any interest payment date thereafter in the inverse order in which they mature at the principal amount thereof plus accrued interest to the date of redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1974 through October 1, 1978.....	4%
April 1, 1979 through October 1, 1983.....	3%
April 1, 1984, through October 1, 1988.....	2%
April 1, 1989 through October 1, 1993.....	1 1/2%
April 1, 1994 through October 1, 1998.....	1%
April 1, 1999 or thereafter prior to maturity.....	None

All redemptions shall be made in the manner, upon the notice, and with the effect provided in Article Three of the Original Resolution.

SECTION 2.3. *Payment of Principal and Interest.* Both the principal of and the interest on the 1964 Series A Bonds and the 1964 Series B Bonds shall be payable in any coin or currency which, on the respective date of payment of such

principal and interest, is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago, or its successor, in the City of Chicago, Illinois, or, at the option of holders at The Chase Manhattan Bank, or its successor, in the Borough of Manhattan and City and State of New York.

**SECTION 2.4. Form of Bonds.** The definitive coupon Bonds of 1964 Series A and 1964 Series B, the interest coupons to be attached thereto, and the form of fully registered Bonds without coupons of 1964 Series A and 1964 Series B, shall be in substantially the following form with appropriate insertions, omissions and variations to evidence differences in type of bond, series, number, denomination, interest rate, maturity and like matters:

(Form of Coupon Bond)

UNITED STATES OF AMERICA  
STATE OF ILLINOIS

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF  
ILLINOIS HOUSING REVENUE BOND OF 1964

(Series .....)

Number.....

\$5,000

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay to bearer, but only out of the Housing Revenue Bond Fund, as hereinafter provided for, and not otherwise, the principal sum of FIVE THOUSAND DOLLARS (\$5,000), on October 1, 19....., and to pay interest on said sum from the date hereof until paid at the rate of ..... per cent (.....%) per annum, payable October 1, 1964, and semiannually thereafter on the first days of April and October in each year until the principal amount hereof has been fully paid. Interest accruing on this bond on and prior to the maturity date hereof shall be payable on presentation and surrender of the interest coupons hereto attached as they subsequently become due, but no interest shall accrue on this bond after the maturity hereof unless this bond shall be presented for payment and be not then paid.

Both principal hereof and interest hereon are hereby made payable in any coin or currency which, on the respective dates of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago (hereinafter called "Trustee"), or its successor in trust under the Resolution hereinafter referred to, in the City of Chicago, Illinois, or at the option of the holder, at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York.

This bond is one of an authorized series of ..... Dollars (\$.....) principal amount of Housing Revenue Bonds of 1964, Series ....., which together with the 1964 Series ..... Bonds constitute an issue of Four Million One Hundred Thousand Dollars (\$4,100,000), issued or to be issued pursuant to a Bond Resolution of The Board of Trustees of the University of Illinois duly adopted December 17, 1958, as supplemented by First through Seventh Supplemental Resolutions thereto duly adopted June 23, 1959, October 21, 1959, June 14, 1960, May 17, 1961, May 24, 1962, October 17, 1962, and February 19, 1964, respectively (said Bond Resolution as so supplemented being herein referred to as the "Resolution"), for the purpose of providing funds for paying the cost of construction and equipping student and staff housing and related facilities. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this Series are redeemable prior to maturity as a whole or in part on April 1, 1974, or on any interest payment date thereafter in the inverse order in which they mature at the option of The Board of Trustees of the University of Illinois at par and accrued interest to the date of redemption and a premium as follows: Four per cent (4%) of the principal amount thereof if redeemed April 1, 1974 through October 1, 1978; three per cent (3%) of the principal amount thereof if redeemed April 1, 1979 through October 1, 1983; two per cent (2%) of the principal amount thereof if redeemed April 1, 1984 through October 1, 1988; one and one-half per cent (1½%) of the principal

amount thereof if redeemed April 1, 1989 through October 1, 1993; one per cent (1%) of the principal amount thereof if redeemed April 1, 1994 through October 1, 1998; and without premium if redeemed April 1, 1999 or thereafter.

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1963, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Housing Revenue Bond Fund as provided in the Resolution, which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue, bonds heretofore issued pursuant to the Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of \$1,220,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees or of the State of Illinois is pledged to the payment of this bond or the interest thereon.

This bond shall pass by delivery unless it is registered as to principal in the name of the holder on the books of registration of said University kept at the office of the Trustees in Chicago, Illinois, such registration to be noted on the back hereof. After such registration no transfer hereof shall be valid unless made on such books by the registered holder in person or by attorney duly authorized in writing and similarly noted hereon, but this bond may be transferred in like manner to bearer, and thereupon transferability by delivery shall be restored and it may again from time to time be registered or transferred to bearer as before. Such registration, however, shall not restrict the negotiability of the coupons hereto appertaining, but such coupons shall be transferable by delivery merely and payable to the bearer hereof.

Subject to the provisions for registration and transfer, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and during such time as this bond is payable to bearer, the same and each of the coupons hereto appertaining may be negotiated by delivery by any person having possession thereof, and any holder who shall have taken this bond while so payable to bearer or any of said coupons from any person for value and without notice shall thereby acquire absolute title to this bond or to such coupons, as the case may be, free of any defenses enforceable against any prior holder and free from all equities and claims of ownership of any such prior holder, and The Board of Trustees of the University of Illinois, the Trustee, and any paying agent may deem and treat the bearer of this bond, or, if registered, the person in whose name it is registered, and the bearer of any interest coupons appertaining hereto as the absolute owner hereof for all purposes and shall not be affected by any notice to the contrary whether this bond or any coupon appertaining thereto be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to

principal only in the denomination of \$5,000 and as registered bonds without coupons in the denomination of \$5,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the principal office of the Trustee in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (66 $\frac{2}{3}$ %) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums, if any, at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder, or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons, or (iv) reduce the percentage in principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time parietal rules, rents, and charges for the use of said facilities and to maintain and collect rents and charges and to withhold student tuitions, sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signatures of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and has caused the interest coupons hereto attached to be executed by the facsimile signatures of said President and Secretary, and this bond to be dated as of the 1st day of April, 1964.

THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS

Attest: .....	By .....
<i>Secretary</i>	<i>President</i>
.....	.....
<i>Member</i>	<i>Member</i>

## (Form of Interest Coupon)

Number..... \$.....

On the first day of ....., 19..... (unless the bond to which this coupon is attached has theretofore been called for payment and payment made or provided for), The Board of Trustees of the University of Illinois will pay to bearer on surrender hereof, solely out of the fund specified in the bond to which this coupon is attached, the sum of ..... Dollar (\$.....) in any coin or currency which, on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago, in the City of Chicago, Illinois, or at the option of the holder at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York, as provided in the Housing Revenue Bond of 1964, Series....., dated April 1, 1964, Number.....

Secretary

President

## (Form of Registered Bond)

UNITED STATES OF AMERICA  
STATE OF ILLINOIS  
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF  
ILLINOIS HOUSING REVENUE BOND OF 1964

(Series .....)

Number..... \$.....

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay (but only out of the Housing Revenue Bond Fund as hereinafter provided for, and not otherwise) to ....., or registered assigns, on October 1, 19....., the principal sum of ..... Dollars (\$.....) and to pay interest thereon (which shall be paid by check or draft mailed to the registered owner at his address as it appears on the bond registration books of the Trustee hereinafter mentioned as Bond Registrar), at the rate of ..... per cent (.....%) per annum, payable October 1, 1964, and semiannually thereafter on the first days of April and October in each year from the date hereof until the principal amount hereof has been fully paid.

Both principal hereof and interest hereon are hereby made payable in any coin or currency which, on the respective dates of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago (hereinafter called "Trustee"), or its successor in trust under the Resolution hereinafter referred to, in the City of Chicago, Illinois, or at the option of the holder, at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York.

This bond is one of an authorized series of ..... Dollars (\$.....) principal amount of Housing Revenue Bonds of 1964, Series ....., which together with the 1964 Series ..... Bonds constitute an issue of Four Million One Hundred Thousand Dollars (\$4,100,000), issued or to be issued pursuant to a Bond Resolution of The Board of Trustees of the University of Illinois duly adopted December 17, 1958, as supplemented by First through Seventh Supplemental Resolutions thereto duly adopted June 23, 1959, October 21, 1959, June 14, 1960, May 17, 1961, May 24, 1962, October 17, 1962, and February 19, 1964, respectively (said Bond Resolution as so supplemented being herein referred to as the "Resolution"), for the purpose of providing funds for paying the cost of construction and equipping student and staff housing and related facilities. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this Series are redeemable prior to maturity as a whole or in part on April 1, 1974, or on any interest payment date thereafter in the inverse



order in which they mature at the option of The Board of Trustees of the University of Illinois at par and accrued interest to the date of redemption and a premium as follows: Four per cent (4%) of the principal amount thereof if redeemed April 1, 1974 through October 1, 1978; three per cent (3%) of the principal amount thereof if redeemed April 1, 1979 through October 1, 1983; two per cent (2%) of the principal amount thereof if redeemed April 1, 1984 through October 1, 1988; one and one-half per cent (1½%) of the principal amount thereof if redeemed April 1, 1989 through October 1, 1993; one per cent (1%) of the principal amount thereof if redeemed April 1, 1994 through October 1, 1998; and without premium if redeemed April 1, 1999 or thereafter.

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1963, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Housing Revenue Bond Fund as provided in the Resolution, which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue, bonds heretofore issued pursuant to the Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of \$1,220,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees or of the State of Illinois is pledged to the payment of this bond or the interest thereon.

Subject to the provisions for registration and transfer contained herein and in the Resolution, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and shall be transferable by the registered owner at the principal office of the Trustee in the City of Chicago, Illinois, upon surrender and cancellation of this bond and thereupon a new registered bond without coupons of the same principal amount, interest rate and maturity will be issued to the transferee as provided in the Resolution, upon payment of the transfer charges therein prescribed. The Board of Trustees of the University of Illinois, the Trustee and any other person may treat the person in whose name this bond is registered as the absolute owner hereof for the purpose of receiving payment and for all other purposes and shall not be affected by any notice to the contrary whether this bond be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of \$5,000 and as registered bonds without coupons in the denomination of \$5,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the principal office of the Trustee in the City of

Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (66⅔%) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums, if any, at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder, or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons, or (iv) reduce the percentage in principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time parietal rules, rents, and charges for the use of said facilities and to maintain and collect rents and charges and to withhold student tuitions, sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signatures of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its secretary, and this bond to be dated as the 1st day of \_\_\_\_\_, 19\_\_\_\_\_.

THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS

Attest: _____	By _____
Secretary	President
_____	_____
Member	Member

ARTICLE THREE

MISCELLANEOUS

SECTION 3.1. *Application of Bond Proceeds.* The Board of Trustees hereby determines that Project H will become revenue producing on or about September 30, 1965 and therefore that portion of the proceeds of the 1964 Series A Bonds and 1964 Series B Bonds representing the interest accrued on such Bonds to the

date of payment therefor shall, together with an amount equal to the interest to accrue on such Bonds through September 30, 1965, be deposited with the Trustee in the Bond and Interest Sinking Fund account as required by Section 6.01 of the Resolution.

The balance of said proceeds of the 1964 Series A Bonds and 1964 Series B Bonds shall, as required by Section 6.01 of the Resolution, be deposited in a bank or banks which are members of the Federal Deposit Insurance Corporation and shall be accounted for as one or more separate funds. The application of the funds in such accounts and the disposition thereof shall in all respects comply with all the terms and provisions of Article Six of the Resolution, subject to the terms and provisions of any contract or agreement permitted by or contemplated in said Article Six between The Board of Trustees and any original purchaser of such Bonds.

**SECTION 3.2. Exchanges of 1964 Series A Bonds and 1964 Series B Bonds.** Notwithstanding the provisions of Section 2.08 of the Original Resolution the University may, in addition to any other charges permitted to be made upon the exchange or transfer of bonds, charge to the holders of any fully registered 1964 Series A Bonds and 1964 Series B Bonds presented for exchange for coupon Bonds, the actual costs of printing new coupon Bonds for the purpose of making such exchange. However, 1964 Series A Bonds and 1964 Series B Bonds originally issued in fully registered form at the time of initial delivery thereof may be exchanged without charge for coupon Bonds by the initial purchaser of such Bonds.

**SECTION 3.3. Interpretation and Construction.** This Seventh Supplemental Resolution is supplemental to and is adopted in accordance with Sections 2.06 and 4.02 of the Resolution. In all respects not inconsistent with this Seventh Supplemental Resolution, the Resolution is hereby ratified, approved and confirmed, and all of the definitions, terms, covenants and restrictions of the Resolution shall be applicable to the additional Bonds authorized by this Seventh Supplemental Resolution and the proceeds thereof except as otherwise expressly provided. All of the terms and provisions of this Seventh Supplemental Resolution shall be deemed to be part of the terms and provisions of the Resolution, and the Resolution and this Seventh Supplemental Resolution shall be read, taken and construed as one and the same instrument. In executing or authenticating any Bond authorized by this Seventh Supplemental Resolution the Trustee and each officer, agent or employee of the University shall be entitled to all of the privileges and immunities afforded to them under the terms of the Resolution.

**SECTION 3.4. Resolution Effective on Passage.** This Resolution shall become effective upon its passage.

#### CONTRACTS FOR CONSTRUCTION OF SINGLE GRADUATE RESIDENCE HALLS. UNIT 3

(24) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for construction of the third unit of the Single Graduate Student Residence Halls, to be located on the north side of Chalmers Street and the west side of Fifth Street in the block bounded by Chalmers, Fifth, Daniel, and Fourth Streets, the award in each case being to the lowest bidder:

General — McCarthy Bros. Construction Company, St. Louis, Missouri \$2 095 934

Base bid ..... \$2 154 949

Additive alternate for service charge for assignment  
of other contracts to the general contractor..... 17 000

Deductive alternates for:

Deletion of exterior window washing and wall  
maintenance staging and equipment..... — 5 500

Substituting vinyl asbestos tile for carpeting in  
corridors in dormitory units..... — 17 400

Substituting concrete block partitions for plastered  
walls in dormitory units..... — 4 250

Substituting wood double hung windows for stain-  
less steel windows..... — 48 865

Electrical — Leverenz Electric Company, Inc., Danville..... 255 275

Base bid ..... \$ 268 066

Deductive alternate for deletion of bed lights..... — 12 791

Plumbing—R. H. Bishop Company, Champaign.....	344 385
Heating, Piping, and Refrigeration—R. H. Bishop Company, Cham- paign.....	327 385
Ventilation—R. H. Bishop Company, Champaign.....	51 243
Temperature Control—Powers Regulator Company, Skokie.....	56 000
Thermal Insulation—General Insulation, Inc., East Peoria.....	55 499
<i>Total</i> .....	\$3 185 721

It is recommended that a combined contract be awarded to R. H. Bishop Company, Champaign, in the amount of \$723,013, being the total of the amounts bid by that Company on the plumbing, heating, piping, and refrigeration, and ventilation work.

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract \$3,185,721; and it is further recommended that an agreement be entered into with McCarthy Bros. Construction Company, St. Louis, Missouri, for the assignment of these other contracts for \$17,000, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds will be available from proceeds of revenue bonds to finance the construction of these halls, which are being sold today.

Submitted herewith is a report from the Physical Plant on this project, including a schedule of all bids received, copies of which are being filed with the Secretary of the Board for record.

I concur in these recommendations.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

#### DEGREES CONFERRED IN FEBRUARY, 1964

The Secretary presented for record the degrees conferred as of February 10, 1964, on recommendation of the Urbana-Champaign Senate and by authority of the Board of Trustees.

##### Summary

Degrees in the Graduate College, conferred at Urbana:

Doctor of Philosophy.....	112
Doctor of Education.....	5
Doctor of Musical Arts.....	1
Master of Arts.....	57
Master of Science.....	243
Master of Music.....	10
Master of Education.....	55
Master of Fine Arts.....	1
Master of Accounting Science.....	2
Master of Architecture.....	5
Master of Extension Education.....	1
Advanced Certificate in Education.....	5
<i>Total, Graduate College</i> .....	(497)

Degrees in Law, conferred at Urbana:

Bachelor of Laws.....	11
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Degrees in Veterinary Medicine, conferred at Urbana:

Bachelor of Science.....	3
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Baccalaureate Degrees, conferred at Urbana:

Bachelor of Science, College of Agriculture.....	62
Bachelor of Science, College of Engineering.....	308
Bachelor of Arts, College of Liberal Arts and Sciences.....	161
Bachelor of Science, College of Liberal Arts and Sciences.....	111

Bachelor of Science, College of Education.....	80
Bachelor of Science, College of Commerce and Business Administration..	131
Bachelor of Science, College of Journalism and Communications.....	18
Bachelor of Architecture, College of Fine and Applied Arts.....	35
Bachelor of Fine Arts, College of Fine and Applied Arts.....	26
Bachelor of Music, College of Fine and Applied Arts.....	5
Bachelor of Science, College of Fine and Applied Arts.....	5
Bachelor of Science, College of Physical Education.....	38
<i>Total, Baccalaureate Degrees.....</i>	<i>(980)</i>
<i>Total, Degrees Conferred at Urbana.....</i>	<i>1 491</i>

## GRADUATE COLLEGE

### Degree of Doctor of Philosophy

#### *In Accountancy*

ORVILLE RUSSELL KEISTER, JR., B.S., M.B.A., Ohio State University, 1958, 1959  
 SYBIL LENORA COLLINS MOBLEY, A.B., Bishop College, 1945; M.B.A., University of Pennsylvania, 1961  
 JOHN WILLIAM WAGNER, B.S., A.M., University of Maryland, 1956, 1961

#### *In Aeronautical and Astronautical Engineering*

HENRY GEORGE TIMMER, B.S., M.S., 1959, 1961

#### *In Agronomy*

THEODORE CHING-TEH HSIAO, B.S., Cornell University, 1955; M.S., University of Connecticut, 1960  
 ROBERT JOHN LAMBERT, B.S., M.S., University of Minnesota, 1952, 1958  
 DEAN GEORGE SWAN, B.S., M.S., University of Wyoming, 1952, 1954

#### *In Animal Nutrition*

HENRY JOHN ADAM LIKUSKI, B.S., M.S., University of Alberta, 1958, 1959

#### *In Botany*

DAISY TUPAS BOQUIREN, B.S., University of the Philippines, 1958

#### *In Business*

WAYNE ALLAN MEINHART, B.S., M.S., 1954, 1959  
 HOWARD LOWELL MILLER, A.B., Northwest Nazarene College, 1953; M.S., University of Wyoming, 1959  
 FELIKSAS PALUBINSKAS, B.S., M.B.A., DePaul University, 1957, 1959  
 CHARLES GLENN WALTERS, B.S., M.S., Alabama Polytechnic Institute, 1955, 1957

#### *In Ceramic Engineering*

KAISSAR MENASSA HANNA, B.S., M.S., University of Cairo, 1953, 1957

#### *In Chemical Engineering*

RICHARD JOHN AYEN, B.S., University of Wisconsin, 1960; M.S., 1961  
 WALTER MARTIN BUEHL, B.S., Massachusetts Institute of Technology, 1959; M.S., 1961

#### *In Chemistry*

EDMUND STEPHEN BERCHERT, JR., B.S., Eastern Illinois University, 1958; M.S., 1960  
 RAYMOND CLYDE BURROWS, A.B., Kenyon College, 1957; M.S., 1958  
 SAMIR SAMI DEEB, B.S., American University of Beirut, 1957; M.S., Colorado State University, 1959  
 HAROLD BERNARD HAYES, A.B., Bellarmine College, 1957; M.S., Georgia Institute of Technology, 1959  
 EDMUND THOMPSON HOLMES, A.B., Coe College, 1959  
 LEONARD VINCENT INTERRANTE, A.B., University of California (Riverside), 1960  
 JOYCE ANN STAIR McMILLAN, B.S., University of Arkansas, 1959; M.S., 1961  
 FREDRICK LOUIS MINN, A.B., 1957  
 YORKE EDWARD RHODES, JR., B.S., M.S., University of Delaware, 1957, 1959

FRED TIVIN, A.B., Kalamazoo College, 1958; M.S., 1960  
DAVID JAMES TRACY, A.B., Villa Madonna College, 1959; M.S., 1961  
PAUL TSCHAMPEL, B.S., M.S., University of Arizona, 1957, 1959  
CHRISTEN DANIEL UPPER, B.S., State College of Washington, 1958

*In Civil Engineering*

MOHAMED AHMED ABDEL HADY, B.C.E., Ein Shams University, 1956; M.S., 1961  
IQBAL ALI, B.S., University of Madras, 1944; B.Eng., Osmania University, 1948; M.S., 1956  
WILLIAM BARRY BEDESEM, B.S., Drexel Institute of Technology, 1959; M.S., 1960  
ELMER WHITMORE BROOKER, B.S., M.S., University of Alberta, 1955, 1958  
HANKA WANDA SOBCHAK CHRYSAFOPoulos, C.E., M.E. and E.E., University of Rio Grande do Sul, 1951, 1953; M.S., 1954  
MORDECHAI HAIM DISKIN, B.Eng., University of Sydney, 1952; M.Sc., Technion, Israel Institute of Technology, 1959  
LAURENCE ROBERT HALL, B.S., Queen's University, 1958; M.S., 1960  
BADR EL-DIN SOUROUT ISMAIL, B.Sc., Cairo University, 1956; M.S., 1961  
JOSÉ ANTONIO NIETO-RAMÍREZ, C.E., National Autonomous University of Mexico, 1959; M.S., 1961  
JOHN ASHER REPLOGLE, B.S., M.S., 1956, 1958

*In Communications*

DAVID RICHMOND, A.B., M.S., Ohio University, 1947, 1953

*In Economics*

JOHN DAVID HUFFNAGLE, A.B., A.M., Kent State University, 1957, 1960

*In Education*

GERALD SCOTT HASTEROK, B.S., M.S., 1952, 1954  
GENEVIEVE REITZELL LANGSTON, B.S., Eureka College, 1938; A.M., Teachers College, Columbia University, 1956

*In Electrical Engineering*

RALPH ST. CLAIR CARSON, B.S., Indiana Institute of Technology, 1945; M.S.E., University of Michigan, 1952  
WAI-KAI CHEN, B.S., M.S., Ohio University, 1960, 1961  
THYCODAM VARKKEY GEORGE, B.S., University of Madras, 1956; M.S., 1959  
JAMES JOSEPH HOGAN, B.E.E., University of Dayton, 1959; M.S., 1961  
JOHN RICHARD LEHMANN, B.S., M.S., 1956, 1958  
NARESH CHANDRA MATHUR, A.B., University of Delhi, 1955; D.I.I.Sc., Indian Institute of Science, 1958; M.S., 1961  
PETER JAMES PONZO, B.A.Sc., A.M., University of Toronto, 1957, 1959  
DON WARREN RAIN, B.S., Purdue University, 1958; M.S., University of Connecticut, 1961  
MANOEL SOBRAL, JR., E.E., Technological Institute of Aeronautics (Brazil), 1958; M.S., 1962  
HERBERT JOSEPH STEIN, B.S., M.S., 1958, 1959  
CARL CHANG-TAO WANG, B.S., M.S., 1958, 1959

*In English*

FORDYCE JUDSON BENNETT, A.B., Greenville College, 1945; A.M., 1960  
THOMAS EDGAR BOYLE, A.B., University of Richmond, 1952; A.M., 1958  
PHILIP YATES COLEMAN, B.S., Southern Illinois University, 1952; A.M., 1957  
THOMAS BARRY GILMORE, JR., A.B., A.M., University of Michigan, 1954, 1955  
EDWARD RICH LEVY, A.B., Millikin University, 1951; A.M., 1952  
DONALD RACKIN, A.B., Rutgers—The State University, 1954; A.M., Columbia University, 1955

*In Entomology*

COSTAS ALEXANDER KOUSKOLEKAS, Diploma, Aristotelian University of Salonika, 1951; M.S., University of Missouri, 1958

*In Finance*

LEONARD JAY SANTOW, B.S., M.S., 1957, 1959  
WARD THEILMAN, B.S., 1958

*In Food Science*

ROBERT SHINNOSUKE KITTAKE, B.S., M.S., 1957, 1959

FRANK EDWARD WEBER, B.S., Illinois Institute of Technology, 1957; M.S., 1963

*In Geology*

BRIAN WILLIAMS CARSS, B.S., University of Durham, 1959; M.S., 1962

*In History*

JACQUELIN COLLINS, A.B., A.M., Rice University, 1956, 1959

ERICH HUGO HEINTZEN, Diploma, Concordia Theological Seminary, 1932; A.M., 1947

*In Horticulture*

JOHN EDWARD FUCIK, B.S., M.S., 1949, 1957

*In Marketing*

RONALD RALPH GIST, B.S., M.S., University of Missouri, 1958, 1959

RICHARD ALLEN SCOTT, B.S., 1953; M.B.A., University of Arizona, 1960

*In Mathematics*

JOHN ANDREW BERTON, A.B., A.M., 1955, 1957

DOROTHY ANN BOLLMAN, B.S., Eastern Illinois University, 1957; M.S., 1959

HERBERT HENRY DIEKHANS, B.S., A.M., University of Alabama, 1950, 1951

LYLE HICKS LANIER, JR., A.B., A.M., 1956, 1957

ERNEST EDWARD SHULT, A.B., A.M., Southern Illinois University, 1958, 1961

ROBERT JAY THOMAS, A.B., Oberlin College, 1952; M.S., Indiana University, 1954; M.S., 1958

*In Mechanical Engineering*

RICHARD WAYNE ADKINS, B.S., M.S., 1951, 1959

LEON WALTER FLORSCHUETZ, B.S., M.S., 1958, 1959

RICHARD WILLIAM HEIMBURG, B.M.E., Syracuse University, 1959

*In Metallurgical Engineering*

DONALD ROBERT BEAMAN, B.S., M.S., 1958, 1961

JOHN RICHARD PARSONS, B.A.Sc., University of Toronto, 1958; M.S., 1960

EDWARD CHARLES VAN REUTH, B.S., M.S., Virginia Polytechnic Institute, 1955, 1960

*In Microbiology*

ROBERT ALLEN TOBEY, B.S., Michigan State University, 1959

*In Mining Engineering*

LAWRENCE ADLER, A.B., New York University, 1946; B.S., Columbia University, 1949; M.S., University of Utah, 1953

*In Physical Education*

CEDRIC WARREN DEMPSEY, A.B., A.M., Albion College, 1954, 1956

*In Physics*

RICHARD KEITH AHRENKIEL, B.S., M.S., 1959, 1960

STUART BERMON, A.B., University of Pennsylvania, 1958; M.S., 1959

PAUL DAVID GOLDAN, B.S., Massachusetts Institute of Technology, 1955; M.S., 1958

JOSEPH CARL HAFELE, B.S., M.S., 1959, 1960

KENNETH LEE KLIEWER, B.S., M.S., University of Minnesota, 1957, 1959

WILLIAM LAUCHLIN McMILLAN, B.S., M.S., University of Arkansas, 1958, 1961

HOWARD KENT ROCKSTAD, A.B., St. Olaf College, 1957; M.S., 1959

HARRY EDWARD TOMASCHKE, B.S., Michigan State University, 1956; M.S., 1958

*In Physiology*

WILLIAM KELLER BROWN, B.S., Louisiana State University and Agricultural and Mechanical College, 1955; M.D., Louisiana State University School of Medicine, 1957

EDWARD DAVID LASH, B.S., College of the City of New York, 1959; M.S., 1961

*In Psychology*

- HERBERT JAMES CLARK, A.B., University of Michigan, 1959; A.M., 1961  
DONALD JOSEPH KIESLER, A.B., Bellarmine College, 1958  
OWEN MALLER, B.S., 1952; A.M., Southern Methodist University, 1955

*In Sanitary Engineering*

- LLOYD ROOSEVELT ROBINSON, JR., B.S., M.S., University of Kansas, 1953, 1958

*In Sociology*

- HENRY GEORGE BOBOTEK, B.S., A.M.(Statistics), A.M.(Sociology), 1951, 1957, 1958  
WILLIAM CHARLES JENNÉ, B.S., Illinois State University, 1953; A.M., 1958

*In Spanish*

- FLORENCE LILLIAN YUDIN, A.B., Brooklyn College, 1958; A.M., 1960

*In Speech*

- PRENTICE AVERY MEADOR, JR., A.B., David Lipscomb College, 1960; A.M., 1961

*In Theoretical and Applied Mechanics*

- WALTER ROSAMOND CARNES, B.A.E., M.S., Georgia Institute of Technology, 1949, 1954  
EDWARD DEWITT GURLEY, B.M.E., M.S., North Carolina State College of the University of North Carolina (Raleigh), 1957, 1960  
DARRELL DELANO PENROB, B.S., Northwestern University, 1959; A.M., Washington State University, 1961

*In Veterinary Medical Science*

- RALPH DAVID MCQUEEN, B.S., D.V.M., 1952, 1954

*In Zoology*

- PETER STANLEY CHRAPLIWY, A.B., A.M., University of Kansas, 1953, 1956  
THOMAS CYRIL JEGLA, B.S., Michigan State University, 1958; M.S., 1960  
IYAD ABDUL WAHAB NADER, Licence, Higher Teachers College (Iraq), 1954; M.S., 1958  
DWAIN WILLIAM PARRACK, A.B., Texas Technological College, 1950; M.S., University of New Mexico, 1956

**Degree of Doctor of Education***In Education*

- ARSENE OGENIUS BOYKIN, B.Ed., Chicago Teachers College, 1942; A.M., University of Chicago, 1950  
THOMAS FRANKLIN HULL, B.S., M.S., Purdue University, 1951, 1957  
FRANK VICTOR SULLIVAN, B.S., Friends University, 1953; A.M., Colorado State College, 1957

*In Music Education*

- EUNICE LOUISE BOARDMAN, B.Mus.Ed., Cornell College, 1947; A.M., Teachers College, Columbia University, 1951  
MARTHA PEARMAN, B.S., Indiana State Teachers College, 1939; M.Mus., Northwestern University, 1943

**Degree of Doctor of Musical Arts**

- RALPH WOODWARD, B.S., University of Idaho, 1940; M.Mus., Cincinnati Conservatory of Music, 1948

**Degree of Master of Arts***In Art Education*

- ROSEMARY GAHAN MAH, B.S., Nazareth College, 1961

*In Dance*

- JANET SUE CHILES, A.B., Lake Erie College, 1959  
JOAN SKINNER SHOTWELL, A.B., Bennington College, 1946



*In Economics*

MICHAEL CARL BARTH, A.B., State University of New York Harpur College, 1962  
DELMAR GENE GOOD, A.B., Goshen College, 1962  
THOMAS J. ISING, B.S., Massachusetts Institute of Technology, 1962  
LEON LEDYARD TUCKER, A.B., Oberlin College, 1962

*In Education*

SYBIL BALTIS CARLSON, B.S., Northern Illinois University, 1960  
MARRINER DAVID MERRILL, A.B., Brigham Young University, 1961

*In English*

JUDITH LANG KUTCHER, A.B., 1962  
FRANK DAVID LEONE, A.B., City College of New York, 1962  
JOANNE ELIZABETH MINNIS, A.B., Kent State University, 1962  
STEPHEN VICTOR MYSLINSKI, A.B., State University of New York College of Education (Albany), 1962  
MARGARET LYNN NEUMANN, A.B., North Texas State University, 1962  
MARY KEHOE WAGNER, B.S., University of Wisconsin, 1959

*In French*

SHIRLEY ANN POPE, A.B., University of Chatanooga, 1961

*In Geography*

RAYMOND WARREN WAXMONSKY, B.S., University of Idaho, 1960

*In German*

VIDA ANGELE TAMOSIUNAS, A.B., 1961

*In History*

DOMINIC LAWRENCE CANDELORO, A.B., Northwestern University, 1962  
ALLAN CARL GREENBERG, A.B., Cornell University, 1962  
ELAINE KRUSE KUEHN, A.B., Augustana College, 1962  
DAVID EDWARD MEERSE, A.B., Doane College, 1961  
RICHARD LEROY SAUNDERS, JR., A.B., Northwestern University, 1962  
DONALD EUGENE SHEPARDSON, B.S., Eastern Illinois University, 1961

*In Labor and Industrial Relations*

YOSHITAKA FUJITA, A.B., Keio University, 1955  
THOMAS EDWARD LEWIS, A.B., Blackburn College, 1962  
EARL KEITH MADSEN, A.B., University of Wyoming, 1960  
YUKITAKA TOBARI, B.Econ., University of Tokyo, 1956

*In Latin*

GEORGE HENRY BERKHOFFER, A.B., University of Michigan, 1961  
STANFORD EDWARD CASHDOLLAR, JR., A.B., University of Tennessee, 1962

*In Linguistics*

LAWRENCE ELWAYNE NOGLE, B.S., 1963

*In Mathematics*

DAVID HARRY JOHNSON, A.B., Augustana College, 1962  
PATRICIA ELEANOR JOYCE, A.B., Hunter College of the City of New York, 1962  
ROBERT REED MCCONNELL, A.B., Lawrence College, 1962  
GLEN DALE MEEDEN, A.B., Eastern Baptist College, 1962  
MICHAEL BENJAMIN PRICE, A.B., 1963  
ROBERTA ARLENE STILLMAN, A.B., Cornell University, 1962  
RONALD CLYDE WEGER, A.B., William Jewell College, 1962

*In Political Science*

MACK HENRY JONES, A.B., Texas Southern University, 1962  
EDWIN PHILIP MORGAN, A.B., Southern Methodist University, 1962  
RICHARD AMBROSE WILKEY, A.B., North Central College, 1962

*In Portuguese*

FREDRIC ISHAM SCHOEN, A.B., 1962

*In Psychology*

MICHAEL STUART BLACK, A.B., Johns Hopkins University, 1958

ROBERT LEE LINN, A.B., University of California (Los Angeles), 1961

*In Russian*

FREDERICK DANIELS THAYER III, A.B., 1962

*In Social Sciences*

DAVID MARVIN MARTIN, A.B., Augustana College, 1961

GEORGE FREDERICK PINNEY, B.S., Iowa State University, 1949

*In Spanish*

SYLVIA JEAN BRANN, B.S., Kansas State College (Pittsburg), 1959

ROBERT EUGENE CALVIN, A.B., University of North Carolina, 1952

GARY EUGENE A. SCAVNICKY, A.B., Youngstown University, 1962

ELIZABETH FRANCES SENICKA, A.B., Miami University, 1962

GRACE TOMIKO TOGASHI, A.B., College of Puget Sound, 1962

FRANK BLAIR WILCOX, B.S., Utah State University, 1961

*In Speech*

ILONA KUTAS GERBNER, A.B., 1963

HOWARD ALLAN HOFFMAN, A.B., Milton College, 1962

JOYCE ILENE MCCURLEY, B.S., 1962

FRANKIE CLAIRE OWEN, A.B., Mississippi Southern College, 1961

**Degree of Master of Science***In Accountancy*

GEORGE HENRY BRIESKE, B.Ed., Wisconsin State College (Whitewater), 1958

JOHN LAVERE DAWSON, A.B., Southern Illinois University, 1953

WILLARD JUHNKE DEFILIPPS, B.S., 1963

ABBAS MAHDY EL-SHERAZY, B.Com., Cairo University, 1957

HESHAM KHATIB, A.B., Damascus University, 1960

TSANG ZENG SHAW, A.B., National Taiwan University, 1955

WISAHN TENGAMNUAY, B.Com., Higher Diploma (Accountancy), LL.B., University of Thammasat (Thailand), 1953, 1955, 1956

*In Aeronautical and Astronautical Engineering*

ALBERT GEORGE BENNETT, JR., B.S., Mississippi State University of Agriculture and Applied Science, 1959

ROBERT LEE BROWN, B.S., 1962

RICHARD EUGENE GARDNER, B.S., 1960

ALLEN DANA HARPER, B.S., 1956

BALBIR SINGH, B.S., 1961

*In Agricultural Economics*

EARL CLAYTON BANTZ, B.S., 1940

RICHARD ALLEN GILLFILLAN, B.S., 1962

BENGT STURE HARALD GUSTAFSSON, B.S., Royal Agricultural College, 1956

DAULAT SINGH, B.S., M.S., Agra University, 1954, 1956

*In Agricultural Engineering*

ALVIN CORNELL BAILEY, B.S., Michigan State University, 1962

*In Agronomy*

RICHARD HOWARD ANDERSEN, B.S., University of Maryland, 1956

EDWARD JEROME ENGLERTH, JR., B.S., University of North Dakota, 1958

DAVID MAURICE PETERSON, B.S., University of California (Davis), 1962

*In Animal Science*

PATRICK JOSEPH CAFFREY, B.Agr.Sci., M.Agr.Sci., University College (Dublin), 1960, 1962

ALVIN LEO MELLIERE, B.S., 1961

RATAN HORMUSJI SAGAR, B.V.Sc., University of Bombay, 1954

*In Architectural Engineering*

RICHARD ARTHUR DEVINE, B.Arch., 1963

ROBERT LEE-LING YUAN, B.S., Taiwan Provincial Cheng Kung University, 1960

*In Astronomy*

GARY CHARLES GOODMAN, B.S., California Institute of Technology, 1960

LEONARD SCHUSTERMAN, B.S., Drexel Institute of Technology, 1961

LEO VERN STANDEFORD, B.S., M.S., Indiana State Teachers College, 1958, 1959

*In Biology*

SHARON ANN SITCH, A.B., North Dakota State Teachers College (Minot), 1962

*In Botany*

IRIS DALE CHARVAT, B.S., 1963

JUDITH ALICE LESNAW, B.S., 1962

LOUISA YANG, A.B., College of Notre Dame (Maryland), 1961

*In Chemical Engineering*

DAVID VERNON BOGER, B.S., Bucknell University, 1961

PAUL DENNIS HASS, B.S., University of Wisconsin, 1958

WILLIAM TERRY MITCHELL, B.S., University of California (Berkeley), 1962

WILLIAM OLIVER PARADIS, B.S., University of California (Berkeley), 1962

*In Chemistry*

CHARLES TAFT BAKER, A.B., Southern Illinois University, 1961

MICHAEL THOMAS BOWERS, B.S., Gonzaga University, 1962

JERRY BOB BRAMMER, A.B., North Texas State University, 1962

ANNA DMITRENKO, A.B., State University of New York Harpur College, 1961  
(Posthumously)

DAVID ALAN DURAND, B.S., Wheaton College (Illinois), 1962

ROBERT HICKS FEIERTAG, A.B., Monmouth College, 1961

BARBARA NEWMAN FISHER, B.S., Juniata College, 1962

RICHARD LEROY FISHER, B.S., Juniata College, 1961

DAVID WEBB HERLOCKER, A.B., Knox College, 1962

RONALD LEWIS KEENER, B.S., Virginia Polytechnic Institute, 1962

CATHERINE BARBARA SAVAGE, B.S., Creighton University, 1959

RICHARD SCIOR TREPTOW, A.B., Blackburn College, 1962

MARK LEROY UNLAND, A.B., MacMurray College, 1962

YUNG-HSIU CHEN WANG, B.S., Taiwan Provincial Cheng Kung University, 1960

OTTO RALF WEINERT, Chemist-Pharmacist, University of Chile, 1948

MATTHEW RONALD YUNASKA, A.B., Thiel College, 1962

*In Civil Engineering*

ROLANDO AGUILAR-GONZALEZ, C.E., National University of Mexico, 1959

CHARAN BURAPHEERATANA, B.S., M.S., Chulalongkorn University (Thailand), 1960, 1962

LIT-MING CHOU, B.S., Taiwan Provincial Cheng Kung University, 1960

ROBERT EVANS CRAWLEY, B.S., Purdue University, 1960

RONALD WALTER DRUCKER, B.C.E., Cooper Union, 1962

ARNOLD STUART FEINBERG, B.S., 1962

RAYMOND WILLIAM HAAG, B.S., University of Manitoba, 1961

JUDITH LAVINTA HAMILTON, A.B., Smith College, 1961

JAGADISH RAMACHANDRA JOSHI, B.Eng., Gujarat University, 1959; M.Eng., University of Roorkee, 1960

MICHAEL LEE KIEFER, B.S., 1962

DENNIS JOHN LEARY, B.S., Northeastern University, 1962

DARRELL GEORGE LOHMEIER, B.S., 1962

JOHN BOHAN O'SHEA, B.S., 1962

MOHAMMAD HOSAIN PAZAND, C.E., Teheran University, 1960

RICHARD ERNST PINCKERT, B.S., Washington University, 1962

MAYNARD ALFRED ALOYSIUS PLAMONDON, B.S., University of New Hampshire, 1962

- KEITH EDWARD ROBINSON, B.A.Sc., University of British Columbia, 1962  
ERBOL DAVID RODDA, B.S., M.S., 1951, 1960  
HAROLD ERNST RUTENSCHROER, JR., B.S., University of Tennessee, 1962  
GERARD SAKAMOTO, B.S., University of Hawaii, 1962  
MUTHUSWAMY SHANMUGAM, B.Eng., University of Madras, 1960  
NABIL ABDALLA SHOEIB, B.Eng., Cairo University, 1960  
JAMES WILLIAM STURROCK, B.S.E., University of Michigan, 1958  
TA-SHEN SU, B.S., Taiwan Provincial Cheng Kung University, 1961  
NGUYEN THANH TOAN, Diploma, National Technical Center (Viet Nam), 1962  
ROBERT SHU-CHEN WANG, B.S., Taiwan Provincial Cheng Kung University, 1959  
GUENTHER OTTO WILHELM, B.C.E., City College of New York, 1962  
CHAROEN WONGPRECHA, B.Eng., Chulalongkorn University (Thailand), 1962  
KHACHORNSAKDI WONGPRECHA, B.Eng., Chulalongkorn University (Thailand), 1962  
MANUEL XANTHAKIS, B.S., 1961

*In Commercial Teaching*

- GEORGE HENRY WIEMERS, B.S., Western Illinois University, 1961

*In Dairy Technology*

- JOSEPH ALBERT OHREN, B.S., 1959

*In Economics*

- HAMDY HESSIEN HESSIEN AFIPI, B.Com., Cairo University, 1950  
ROGER JEFFERY GREEN, B.S., 1962

*In Education*

- SALLY MCCOY, B.S., College of the City of New York, 1948

*In Electrical Engineering*

- KENNETH LOUIE BAKER, B.S., 1961  
WALTER BARONIAN, B.S., 1963  
ALLAN JOEL BROCKSTEIN, B.S., 1963  
JAMES WALTER CARLIN, B.S., Illinois Institute of Technology, 1962  
GARY WAYNE CHESNEY, B.S., 1963  
GABRIEL CUERVO-SALCEDO, B.S., 1963  
ROBERT THOMAS DALY, B.E.E., Marquette University, 1963  
EDWARD RONALD DORNSEIF, B.S., 1963  
JOHN JOSEPH GORDON, B.M.E., General Motors Institute, 1961  
THEODORE WILLIAM JOHNSON, B.S., 1962  
CHESTER GEORGE JONES, B.M.E., Syracuse University, 1960  
SHUNG-WU LEE, B.S., Taiwan Provincial Cheng Kung University, 1961  
JOHN ALLAN LEHNER, B.S., 1963  
TADAQ MURATA, Graduate, Tokai University, 1962  
ANDREW RICHARD NEUREUTHER, B.S., 1963  
YOKISHWAR KUMAR PURI, A.B., Panjab University, 1956; B.S.(Electrical Engineering), Benares Hindu University, 1960  
EDWARD SESTAK, B.S., 1963  
RICHARD ALAN WOERNER, B.S., University of Missouri School of Mines and Metallurgy, 1962

*In Entomology*

- JANINA WOJCIECHOWSKA, B.S., 1961

*In Finance*

- ROBERT THOMAS BOLING, B.S., 1963  
KENNETH MICHAEL STEVENS, B.S., 1962

*In Home Economics*

- MARY JUDITH STALDER, B.S., University of California (Davis), 1961

*In Home Economics Education*

- KAREN LEE BOSSERT ROBERTS, B.S., 1961

*In Horticulture*

- JACK WILLARD BUXTON, B.S., 1962

*In Library Science*

ROBERT KENT HIRST, A.B., University of Kansas, 1962  
HELEN SCRUGGS HORVATH, A.B., Washington University, 1953; A.M., 1957  
WAN-WAN JERNG, B.S., National Taiwan University, 1955  
ANNA HENDERSON LAVATELLI, A.B., Scripps College, 1938  
CLAYTON MARTIN MILLER, JR., A.B., 1962  
BAIBA PAULINS, A.B., 1962  
MAHLON NEALE PETERSON, A.B., Augustana College, 1962  
TERESITA BARRAMEDA QUIAMBAO, B.S., University of Santo Tomas, 1960  
ANNELIE GISELA ROSENBERG, A.B., 1963  
NANCY YOCHAM STEPHENS, B.S., 1962  
CHIEKO TACHIHATA, A.B., University of Hawaii, 1958  
MARTHA WHITE TARBAB, A.B., Saint-Mary-of-the-Woods College, 1957  
SOLEIMAN MOHAMMAD TARBAB, A.B., 1962  
THOMAS LARRY WELCH, A.B., Sacramento State College, 1962  
PENG YAO, A.B., A.M., National Chengchi University, 1949, 1958; M.S., Southern Illinois University, 1962

*In Management*

JON DAVID CHARLESTON, A.B., Colorado College, 1953  
JOHN THOMAS COUGHLIN, A.B., Marquette University, 1962

*In Marketing*

NESSIM YANNI NESSIM, B.Com., Cairo University, 1958  
JOHN FREDERICK TROST, B.S., 1962

*In Mathematics*

STUART HARRY ANDERSON, B.S., Illinois Institute of Technology, 1954  
GARY NELSON BALDWIN, B.S., Bowling Green State University, 1961  
JEFFERY MACKENZIE COOPER, A.B., Haverford College, 1962  
THOMAS ANDREW HANNULA, B.S., 1962  
THOMAS JOHN KEARNS, B.S., University of Santa Clara, 1962  
DONALD FRANK KOENIG, B.S., 1956  
CHI YEUNG LO, B.S., University of Hong Kong, 1960  
ELIO MARZULLO, B.S., 1960  
CHARLES WILLIAM NEVILLE, B.S., Yale University, 1962  
ROBERT KEVIN RICE, B.S., 1962  
JAMES ALLEN SCHERER, B.S., 1958  
JOHN LOUIS SCHUDEL, A.B., St. Joseph's College (Indiana), 1962  
YOUNG KUK SHIN, B.S., Korean Military Academy, 1960  
WILLIAM DALY SKEES, A.B., St. Benedict's College, 1961  
DANIEL BENSON TEMPLE, B.S., Louisiana Polytechnic Institute, 1962  
MARILYN ANN WANG, B.S., University of Michigan, 1962  
JAMES ALLEN WEED, A.B., College of Idaho, 1960

*In Mechanical Engineering*

ALBERT SAGE BOYERS, B.S., Purdue University, 1962  
TRAN KIEM CANH, Diploma, National Technical Center (Viet Nam), 1962  
RONALD KEE YOUNG CHAO, B.S., University of Tokyo, 1962  
GERALD MCKEE COLVER, B.S., Bradley University, 1962  
DAVID FRANK CONDE, B.S., Ohio University, 1959  
ALLEN JAMES EBENS, B.S., Bradley University, 1962  
WILLIAM DONALD FISCHER, B.S., 1963  
JAMES GILL FREYDER, B.S., 1956  
DONALD STANLEY HANSEN, B.S., Newark College of Engineering, 1957  
FREDERICK WILLIAM HECKENKAMP III, B.S., 1957  
DAO KIM, Diploma, National Technical Center (Viet Nam), 1962  
KRAIJHIT LAPCHAROEN, B.S., Chulalongkorn University (Thailand), 1960  
DONALD KERSHAW LAWRENCE, B.S., 1962  
LLOYD LOUIS LEHN, B.S., 1962  
JAMES WESTON MASSEY, B.S., 1963  
ROY WALTER MICHEL, B.M.E., Rensselaer Polytechnic Institute, 1962  
ALGIS ALLAN TIRVA, B.S., 1959

*In Metallurgical Engineering*

JOSEPH MORTIMER GILKISON, B.S., 1963  
ROBERT ALAN HOFFMAN, B.Met.E., New York University, 1961  
CH'Y-FAN LIN, B.S., Tunghai University, 1959

*In Microbiology*

ALICE GILMAN, B.S., 1962  
JUDITH DORIS LEVITT, B.S., Brooklyn College, 1962

*In Music Education*

DALVIN LEE BOONE, B.Mus., Texas Technological College, 1960  
GEORGE PAUL GALVAN, B.Mus., Illinois Wesleyan University, 1958

*In Nuclear Engineering*

KON FONG WALTER LEE, B.S., New York University, 1962  
WILLIAM GORDON LUSSIE, B.S., 1962  
ROBERT JAMES MULLIN, B.S., Illinois Institute of Technology, 1959  
DOUGLAS HOUSTON PETRIE, B.S., Virginia Polytechnic Institute, 1962  
ROBERT WARREN ROUSSIN, B.S., University of Missouri School of Mines and Metallurgy, 1962  
GENN SAJI, B.S., Yokohama National University, 1961

*In Physical Education*

ROBERT LEONARD HITCHEN, B.S., 1950  
ROBERT KEIG STALLMAN, B.S., Eastern Illinois University, 1962

*In Physics*

WILLIAM RUSSELL ABEL, B.S., 1962  
ROBERT THOMAS ANDREWS, B.S., 1962  
ROBERT APRAHAMIAN, A.B., University of California (Berkeley), 1962  
MUZAFFER ATAC, Diploma, Ankara University, 1957  
KENNETH AVICOLA, B.S., 1963  
ROBERT FRANK BASS, B.S., University of Missouri School of Mines and Metallurgy, 1960  
RICHARD JOSEPH BECHERER, B.S., Boston College, 1962  
MARVIN BLECHER, A.B., Columbia University, 1962  
JOHN JOSEPH BOGUTA, A.B., Johns Hopkins University, 1962  
THOMAS LYNCH BOHAN, B.S., University of Chicago, 1960  
RONALD RAY BOURASSA, A.B., Rice University, 1962  
RICHARD CHARLES BRANDT, B.S., California Institute of Technology, 1962  
RONALD LOUIS CAPPELLETTI, B.S., Fairfield University, 1962  
JON ROSS CARLSON, B.S., Montana State College, 1962  
STEDMAN EUGENE CARY, B.S., University of Colorado, 1961  
JOEL ALAN COHEN, A.B., Harvard University, 1962  
GEORGE EDWARD DANIELSON, JR., B.S., Principia College, 1961  
MICHAEL FAIMAN, A.B., Peterhouse (Cambridge), 1956  
WAYNE ROBERT FENNER, B.S., University of California (Berkeley), 1962  
ALAN GORDON, B.S., Illinois Institute of Technology, 1962  
DONALD FRANK GREYER, A.B., Miami University, 1962  
WILLIAM VERNE HASSENZAHL, B.S., California Institute of Technology, 1962  
JON THOMAS HOLDER, B.S., Lamar State College of Technology, 1962  
FLOYD ALLEN HUMMEL, A.B., Cornell University, 1963  
HERBERT INHABER, B.S., McGill University, 1962  
JEFFREY LANNIN, B.S., Purdue University, 1962  
GARY HAMILTON LUNSFORD, B.S., Duke University, 1962  
TED MAR, B.S., University of British Columbia, 1962  
JOSE EVANGELISTA DE CARVALHO MOREIRA, Graduate, Ceara University, 1960  
THOMAS RAY OSBORN, A.B., 1963  
TIMOTHY REED PRYOR, B.Eng.Sc., Johns Hopkins University, 1962  
JUAN RUBIO-BERNAL, Licenciatura, Madrid University, 1960  
TRUMAN CLIFFORD RUTT, B.S., Northern Illinois University, 1959  
PETER FRANK SCHULTZ, B.S., University of Wisconsin, 1962  
KIN SEIN, B.S., 1962

BENJAMIN MARVIN SMITH, B.S., Georgia Institute of Technology, 1962  
JOHN WILLIAM STAPLES, A.B., Wabash College, 1962  
ROBERT ALAN TROESTER, A.B., University of Michigan, 1962  
LYNN JAMES VERHEY, A.B., Kalamazoo College, 1962  
WILLIAM HENRY WEIHOFEN, B.S., California Institute of Technology, 1962  
GEORGE THOMAS WENNING, B.S., University of Notre Dame, 1962  
JERALD JEAN WRAY, B.S., Kansas State University, 1962  
BYRON ARLEN YOUNG, B.S., Stanford University, 1962

*In Physiology*

WAYNE MAX LEVIN, A.B., Ithaca College, 1962  
SHARON KAY RIGGS, A.B., Southwestern College, 1962

*In Plant Pathology*

FLOYD MILTON HUBER, B.S., Indiana State Teachers College, 1961

*In Radio and Television*

DARRELL EUGENE CUNNINGHAM, B.S., Arkansas State College, 1960  
JAMES JOHN ONDER, B.F.A., Ohio University, 1962

*In Recreation*

ROBERT EMIL BOHL, B.S., 1952  
JEAN-MARC DION, Baccalaureate, Université Laval, 1960

*In Statistics*

ARMAND SERI, B.S., M.S., University of Wichita, 1958, 1960

*In the Teaching of Biological Sciences and General Science*

JOEN JUNE GALLENTINE FLENER, B.S., 1962  
JERRY LEE JACKSON, B.S., 1962  
JACK WESTRATE SHOUBA, B.S., Northern Illinois University, 1962  
PETER GIBBONS TRAVER, A.B., 1957

*In the Teaching of Mathematics*

DAVID WILLIAM BROWN, B.S., Eastern Illinois University, 1956  
ELI NEWELL, B.S., Jackson College, 1953

*In Theoretical and Applied Mechanics*

GORDON WALTER BIGG, B.S., University of Alberta, 1961  
GRANT WESLEY REICHARD, B.S., 1961  
DARIUSH SHADMAN, B.S., 1962  
VICTOR TERKUN, B.S., 1962

*In Veterinary Medical Science*

SARTAJ SINGH AHLUWALIA, B.V.Sc. and A.H., Agra University, 1956  
DENNIS KEITH MANN, B.S.(Liberal Arts and Sciences), B.S.(Veterinary Medicine), D.V.M., 1951, 1958, 1960; M.P.H., Tulane University, 1963  
IVAN PAUL SZILVASSY, Diploma, Hungarian University of Scientific Agriculture, 1948

**Degree of Master of Music**

HERVEY KASTEN HICKS, B.S., 1958  
ROSE MARIE JONES, A.B., Franklin College, 1944; M.S., 1953  
KARYL JUNE LOUWENAR, B.Mus., Wheaton College, 1962  
ARTHUR LINDON MADDOX, B.Mus., University of Kansas City, 1963  
DAVID HAROLD MOSKOVITZ, B.Mus., 1962  
VIRGINIA GRIFFITH NANZETTA, B.Mus., Converse College, 1962  
PETER FRANK SCHUETZ, B.S., 1959  
ROBERT SCOTT WARD, B.Mus., 1962  
JAMES GORDON WILSON, B.Mus., Miami University, 1961  
RICHARD BRUCE WURSTEN, B.S., Utah State University, 1961

**Degree of Master of Education**

- ISABELLE MILTON ADAMS, B.S., Florida Normal and Industrial Memorial College, 1957  
 ELDORA LOVE ADKINS, A.B., Spellman College, 1950  
 ROBERT DALE BENDER, A.B., Blackburn College, 1961  
 BARBARA LEE BRUNCKHORST, A.B., Nebraska State Teachers College, 1953  
 ROSILAND LUCILLE BUSENHART, B.Ed., Southern Illinois University, 1943  
 JOHN RAYMOND CAIN, B.S., 1959  
 ROBERT DEXTER CONE, B.S., 1959  
 NEAL JENNINGS COYLE, B.S., Kansas State College, 1957  
 ARDEN LOWELL CRAWFORD, A.B., Eureka College, 1950  
 ALICE CATHERINE CROCKER, B.S., University of Oregon, 1961  
 HELEN LOUISE DUNN, B.S., A.M., 1938, 1948  
 CHARLES ROGER EZARD, A.B., Illinois College, 1959  
 OTTO FAFOGLIA, JR., B.S., Illinois State University at Normal, 1958  
 MARY ANNE FRIES, B.S., 1961  
 THOMAS MICHAEL GARDNER, B.S., 1959  
 HAYWARD PHILIP GARRETT, B.S., 1963  
 LARRY WAYNE GARRISON, B.S., 1959  
 ELIZABETH ASHMAN GILLETTE, B.S., Illinois State University at Normal, 1958  
 JEAN LUCY GOVER, B.S., St. Louis University, 1956  
 KATIE MAE HAIRE, B.S., Illinois State University at Normal, 1958  
 LLOYD HARRY HEDGES, A.B., Antioch College, 1960  
 SHEILA ANN HENRY, B.S., Eastern Illinois University, 1958  
 JANICE BLOOMQUIST HODYKE, A.B., Augustana College, 1948  
 RAYMOND HAROLD HUBBARTT, B.S., Southern Illinois University, 1959  
 RALPH WILLIAM IOVINELLI, B.S., 1963  
 BESSIE KALLAS, B.S., 1961  
 DOROTHA MARTINIE KEEFE, B.S., 1959  
 MARY FRANCES KENNEY, B.S., 1962  
 ROBERT EUGENE KNILANS, B.S., Wisconsin State College (La Crosse), 1958  
 HOWARD HERSCHEL LAMBERT, B.S., Southern Illinois University, 1958  
 SUSAN WICKHAM LOCKHART, B.S., 1963  
 JEAN ANN MARKESE, B.S., 1960  
 JUDITH KAYE MCCOY, B.S., Drake University, 1959  
 STUART BAYES MCKENTY, B.S., 1959  
 MARY DAILEY METZGER, A.B., Syracuse University, 1961  
 FLORA LANE MILDRED, B.S., Illinois State University at Normal, 1958  
 ANDREW JOSEPH MOSCA, B.S., Lewis College, 1962  
 RUTH PORTER NAVID, A.B., Roosevelt University, 1958  
 CAROLYN LUCILLE O'NEILL, B.S., Bowling Green State University, 1941  
 WILLIAM PAARLBERG, B.S., Illinois State University at Normal, 1960  
 JOSEPH SUNDERLAND PALMER, A.B., A.M., Wheaton College, 1944, 1950  
 PEARL YOUNGBERG PALMER, A.B., Wheaton College, 1943  
 GARY LEE PFROENDER, B.S., Central College, 1958  
 LILLIAN MARGARET POWERS, B.S., 1958  
 DONALD ROBERT PRATHER, B.S., 1957  
 BETSY MARGARET RESMONDO, B.S., George Peabody College for Teachers, 1953  
 MATTIE HINES RICHARD, B.S., Illinois State University at Normal, 1952  
 WALTER WADE SHEETS, B.S., Eastern Illinois University, 1957  
 KENNETH EDWARD SINCLAIR, A.B., University of Sydney, 1962  
 RONALD DEAN STABLEIN, B.S., 1959  
 JUANITA GLASCOCK STABLER, B.S., 1935  
 JAMES RICHARD WARD, B.S., Eastern Illinois University, 1958  
 SULSA DELANO WINDOM, A.B., Prairie View Agricultural and Mechanical College of Texas, 1962  
 MARY CLEMENTS YOUNG, B.S., 1961  
 SARA JANET ZIMMERMAN, B.S., Illinois State University at Normal, 1955

**Degree of Master of Fine Arts***In Painting and Printmaking*

- BARBARA POLAN KAPLAN, B.F.A., 1961



**Degree of Master of Architecture**

ALEXANDER MACGREGOR, Diploma, Edinburgh College of Art, 1960  
 SHING-JACK NG, B.S., Taiwan Provincial Cheng Kung University, 1957  
 RONALD EUGENE SCHMITT, B.Arch., 1962  
 JACK MICHAEL STEPHENS, B.Arch., 1962  
 EDWARD PETERS WOMACK, B.S., University of Cincinnati, 1962

**Degree of Master of Accounting Science**

RONALD MAIER APPERSON, B.S., 1963  
 CONNIE LAVERN ASHBURN, B.S., 1963

**Degree of Master of Extension Education**

CALVIN EARL BAYLOR, B.S., 1950

**Advanced Certificate***In Education*

GEORGE RICHARD ABRAHAM, B.S., Wisconsin State College (Superior), 1953; M.S., 1960  
 VERNON ROSCOE FRENCH, B.S., Southern Illinois University, 1952; Ed.M., 1955  
 ROLAND HUGH JEAN, B.S., M.S., Western Illinois University, 1956, 1957  
 CHARLES EDGAR RAYBORN, A.B., Shurtleff College, 1947; A.M., 1951  
 JEAN SCHUBERT RICHARDS, B.S., Illinois State University at Normal, 1956; M.S., 1959

**COLLEGE OF AGRICULTURE****Degree of Bachelor of Science***In Agriculture*

FRANK CHURCHILL AHLSTROM	JAMES LEE RAKESTRAW, Honors
ARNOLD LYLE BROOKS	WALLACE GRANT RAMSAY
ROBERT WILLIAM CUTRIGHT	FLOYD KEITH ROBERTS
JOHN EDMUND DAILY	LARRY LEE RUS
NORMAN FRANCIS DELANEY, Honors	JOHN EDWARD SHEPHERD, High Honors
CHARLES WILLIAM DONNEL	LEE REYNOLDS STEUR
RALPH THOMAS HEINHORST	GLENN GEORGE STONE
NORVAN WAYNE HENRICH	JOHN EDWARD SUBAT
GREGORY MYERS LEIGH	JOHN MICHAEL SULLIVAN
MICHAEL LYNN LIPPINCOTT	CARROLL RHEA TURNER
MICHAEL LEON MASON	WILLIAM EUGENE WEBER
CURTIS LYNN MAXWELL	JAMES DALE WELTON
DONALD TURNER NELSON	JAMES THOMAS WORMLEY
BARRY ALAN OLSON	BERNARD JOSEPH ZANT
CHARLES VICTOR PETERSON	

*In Dairy Technology*

JO MAR CLARE ALWES                      JOSEPH DALE FORTNA

*In Floriculture and Ornamental Horticulture*

JOHN RAYMOND HALL III                      JAMES JOHN KOVAL  
 KENNETH LEE KNOLES

*In Food Science*

BRUCE DELBERT EDER                      FRANCIS HERSCHEL WEBSTER  
 ORVILLE LAWRENCE KRUMDICK

*In Forestry*

DONALD HAROLD BAUMGARTNER	JAMES ALOYSIUS KLUS
ROGER LEE BLAIR, Honors	LARRY DUANE MARTOGGIO
GEORGE NELSON BROOKS	CARROLL PAUL PEDERSEN
JOHN RAYMOND CARLSON	JERRY DEAN RAWLINSON
ANDY CARL DJERF	WILLIAM DEAN SEARS
NORMAN LEE GAGLIARDO	CHARLES ALBERT STEWART
HUGH HARVEY HOLLAND	

*In Home Economics*

MARY LOU DRAHOS  
BRENDA ELIZABETH HAYER, High  
Honors  
DIANA RUTH HENRY

GERALDINE ANN KOMPERDA  
MICHEL LANGDON  
FERN AARONELL NITZBERG  
MARIANA WHITMORE

*In Home Economics Education*

JOANNE EILEEN BEARE  
CAROLYN ROGERS HESTER

SHARON WEBB HOWELL, High Honors  
CAROL JOYCE PRIOR

*In Restaurant Management*

CHARLES RICHARD WILLIAMS

## COLLEGE OF ENGINEERING

## Degree of Bachelor of Science

*In Aeronautical and Astronautical Engineering*

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THOMAS ARTHUR BURNS  
DALE LEON CONNOLLY  
ROBERT EUGENE CUSEY  
JAMES DUNCAN DELAURIER, Honors  
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MOHAMMAD ASLAN HAQUE  
RICHARD LAWRENCE HURWITZ  
GERLINA LOUISE KELTNER  
JOHN STEPHEN KIRBY, High Honors  
KARL HENRY KUHLMANN

CHARLES DENNIS LACINA  
RONALD EDWARD PEKNY  
GERALD MICHAEL PAUL PETAK  
THOMAS PRINCE ROSS, JR.  
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BERNARD MATHEW SINDERMAN, Honors  
RAYMOND LEE THOMPSON  
RICHARD CLARENCE TYMICK  
PAUL GLENN VOGT  
ROBERT EUGENE WILLIS  
GEORGE RICHARD ZIELINSKI, JR.

*In Agricultural Engineering*

RICHARD WAYNE HOOK  
CURT MARTIN KRUSE

JOHN PHILLIP LLOYD, High Honors  
LEE REYNOLDS STEUR

*In Ceramic Engineering*

BRUCE EDWARD DUNWORTH  
JAMES DEXTER HULL  
DONALD JAMES LIEBERG  
RAYMOND LEO MANYIK  
PETER JOSEPH MARCHANDO  
KENNETH EDWIN MEINERS

GARY MELVIN MEYER  
JAMES LEE MOORE  
STEPHEN STANLEY OTROSA  
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RUSSELL WILLIAM ROTHROCK, JR.  
LLOYD CHARLES SCHWANEBECK

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JOHN STANLEY ANTCHAK  
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RICHARD EDWARD BAER  
JAMES JOEL BAKER  
DAVID ERWIN BAUMGARTNER  
ROBERT GORDON BOEHM  
GEORGE ALLAN BRUNNER  
JOHN THOMAS COLETTA  
RALPH JAMES CONVERSE  
MACKENZIE LEO DAVIS  
LYNN WILLIAM ELDER  
RODNEY JAMES FETTEROLF  
EMIL CHARLES FREIN  
JOHN FREDERICK GROO  
JAMES JOHN GRUENHOLZ, Honors  
JAMES RICHARD HANN  
FRANK JAMES HATFIELD

RAYMOND LEE HAUSCHILD  
RICHARD KEITH HOPPER  
CHARLES FRED HUNT  
DAVID LEWIS KLINGEBEL  
BERNHARD HUBERT KLINGENBERG  
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GARY WAYNE MAXWELL  
JOHN PAUL MCGREW  
FERDINAND DAVID MEHLICK, JR.  
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DALE WINFIELD MILLER  
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TURKEL NEGIS  
PAUL FAULKE NELSON  
THEODORE WALTER NELSON, JR.  
PAUL FRANCIS O'SHEA  
WILLIAM SANFORD PLANK, Highest  
Honors  
DAVID LYNN POTTER

DONALD HARLEY POTTER  
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DONALD RAYMOND RICH  
ROBERT ANTHONY ROGINA  
EUGENE RICHARD ROLOFF  
RICHARD LEON RUDDELL  
CHARLES ERIC SANDBERG, Honors  
CHARLES DAVID SANDERS  
JOHN LEO SANER, Honors  
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LARRY MICHAEL SUR, Highest Honors  
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RICHARD ALLEN WISEMAN, Honors  
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DENNIS LEE BALZARINI  
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LOUIS PAUL BISKUP  
WARD LEROY BIVENS  
WENDELL JACK BOUKNIGHT  
CARY JONES BOYD, JR.  
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GLEN LEON BREWER  
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JAMES JAY BURCHAM  
ALBERTO BURSZTYN-VAIMBERG  
MILTON M. T. CHANG, Highest Honors  
AMOS JUNIOR CHENOWETH  
CHARLES DAN CHENOWETH  
RONALD HENRY CIESLAK  
JOHN MICHAEL CURLEY  
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SAM MORDOCHAT DANIEL  
ALLEN LOY DAVIDSON  
ARTHUR LEE DEWEY  
BERNARD MARTIN DODEN  
GEORGE ROBERT DOERNER  
ROLAND EDWARD DUKES  
JOHN WESLY ELAM  
ERNESTO FACCHINI-FERRO  
RANSOM SHAVER FIELDS  
CURTIS BYRON FRANK  
HAROLD JOHN GALLAGHER  
IRA STEWART GERSON  
SAMUEL ANTHONY GUCCIONE  
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LEE EDWARD HARVEY  
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ROBERT FRANK HERBOLD  
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RAYMOND LEE HUNT  
JOSEPH JELLEN  
DUANE ELLWOOD JOHNSON  
KENNETH LEO KIELAR  
GEORGE ARTHUR KIM  
GEORGE EDWARD KNUTH  
JAMES PHILLIP KRAUS  
PAUL ELLIOTT KREIMEIER  
JOHN KRUK, JR., Honors  
THOMAS EDWARD KRUSE

KENNETH JOHN KUZAS  
RONALD LOUIS LACH  
WERNER YEE LAIN  
ALFRED YUNG-FOOK LAU  
EDWARD JOHN LAYER  
CONRAD LENZO  
PETER MUN-LAU LEONG  
ALOYS HERMAN LITTEKEN  
LEONARD JOSEPH LITVAN, JR.  
ROBERT ALLEN LLOYD  
STANLEY LOTTERMAN  
DENNIS JAMES MCCARTHY  
JERRY DONALD MCKENZIE  
JAMES KAY MCKINNEY  
MICHAEL BAIRD McMURRY  
NECATI MOLYER  
KENJI NAKAGAWA  
LYN FINGAL PETERSON  
RICHARD CHARLES PETERSON, Honors  
ROBERT RICHARD PODOWSKI  
MICHAEL FRANCIS POSKOZIM  
JERRY RICHARD POWELL  
URY PRIEL, Honors  
JOHN RICHARD REZEK  
DONALD CHARLES ROCKWELL, High Honors  
MARVIN CARSON ROGERS, JR.  
ARNOLD STEPHEN ROSENBAUM, Honors  
THEODORE STANLEY RZESZEWSKI, Honors  
MICHAEL WILLIAM SAAD, Highest Honors  
WILLIAM WARREN SAWYER  
KURT FRITZ SCHENK RAMIREZ, Honors  
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KEVIN STRICKLAND SCHULTZ  
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RICHARD RAYMOND SMITH  
EDWARD THADDEUS SNYDER  
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KENNETH RICHARD STEINER  
STANLEY NEIL STOLTZ  
DENNIS ROY THOMPSON  
JEROME BENNO TOLLER  
JAMES WARREN TOWNSEND  
CHARLES WALTON TROMBLEE  
GERALD ALBERT VAN DAELE  
GEORGE EDWARD VEATCH, JR., Highest Honors

WILLIAM JAMES WARNER  
RONALD LOUIS WENDA  
RONALD ALFRED WERNER, Highest  
Honors  
GREGORY PHILIP WHITE

LEROY ERNEST WILKI  
JOHN MILTON WILLIAMS  
GLEN H. K. YOUNG  
EDWARD MICHAEL ZYCHOWSKI, Jr.

*In Engineering Mechanics*

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GARY PAUL FREESE, Honors

JAMES EDWIN ROBERTSON

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RONALD DEBOER FAULSTICH  
DOGAN KAYA  
DAVID SANDER KUPPERMAN  
BRUCE LUXFORD  
JEFFREY DAVID MICH

JACK CURTIS MOOBERRY  
JAMES MARTIN POTTER  
RICHARD NEAL PRICE  
IVAN SIMIC  
IVAL LEE TOEPKE  
HENDERSON CHIK-HING YEUNG, Honors

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ROBERT HERMAN MEYER  
RICHARD HAYWOOD MILLER, Jr.

JOHN JOSEPH NONNEMAN, High Honors  
WILLIAM KEENE OLIVER  
ROBERT ALFRED PAVELICK  
DALE HOWARD RENKEN  
FRANK JOSEPH TOMECEK  
DALE WARREN WEAVER  
ROBERT ALAN ZAKES

*In Industrial Engineering*

LEON DARIO ABAD ARANGO  
ROBERT MICHAEL ATOLS  
STANLEY HAROLD BROWNE  
RALPH REYNOLD GOULD  
GEORGE RAYMOND HUENEMEIER  
KAILASH CHANDER KAPOOR  
GARY ALLEN KARNES  
CHARLES MARTIN KRUSE  
THOMAS GEORGE LEYDON  
JOHN PAUL LIXVAR

GERALD IRVIN MALIK  
ROBERT DALE MALINOWSKI  
ROBERT ALAN MANN  
JOHN MARTIN MEGO  
STANLEY LOUIS MURPHY  
GEORGE BRUCE RUGGE  
RUSSELL MONROE SHERMAN  
RODNEY WALTON STURM  
LOUIS VICTOR VIECELI

*In Mechanical Engineering*

WALTER JOSEPH BARAN, JR.  
CLYDE ALLEN BAUMGARDNER  
KENNETH JOSEPH BERGSMA  
WILLIAM JOHN BESTOW  
CHARLES HARRY BOGUE  
RONALD ALLAN COLE  
DONALD LEE CORONEOS  
MICHAEL RAYMOND CREAN, JR.  
ROBERT LYNN CRUM  
JOHN ALDERMAN DYSTRUP  
THOMAS LANE EDWARDS  
DANIEL EDWARD FITZJARRALD, Honors  
ROBERT DALE FREDERICKSEN  
DONALD DOWD FULTON  
HOWARD EDWARD GEORGE  
ROBERT LEE GRITTON  
DAVID LEE GUERTIN  
ROBERT HAROLD HENNINGER  
LESLIE GORDON JOHNSON  
ROBERT MAXWELL JONES  
MICHAEL EDWIN KENT, Honors  
WILLIAM WALTER KOELM

RONALD FRANK KULAK  
ALBERT KUPFERSCHMIDT  
HENRY GUENTHER LUKAS  
RICHARD RAYE LUNDSTROM  
WILLIAM JOSEPH MILLER  
RAYMOND MILO  
RONALD BENJAMIN NEUMAN  
DOUGLAS IRVING NORMAN  
ROBERT JAMES NOVOTNEY  
DONALD WILLIAM PACER  
JAMES ROBERT PESEK  
ANTHONY MICHAEL PIETRAMALE  
MICHAEL PIONTEK  
MICHAEL HEALY PLECK, Highest  
Honors  
LAWRENCE STANLEY PODWIKA  
DAVID NORMAN POLASKI  
WARNER WILLIAM RILEY  
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ALLEN BURTON SCHWARTZ  
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ILAN SILBERSTEIN, Highest Honors

AIVARS SLUCIS  
ROBERT ALBERT STUEBER  
WAYNE LOUIS UECKER

RONALD HENRY UPPER  
HENRY ARTHUR VAN PROYEN

*In Metallurgical Engineering*

JAMES FRANCIS CUNNINGHAM  
CHARLES CURTIS DOLLINS, Highest  
Honors  
PEDRO JOSE GUTIERREZ

ALEXANDER HRECHKO, JR.  
DOUGLAS CHARLES RUHMANN  
RICHARD LOUIS TERCHEK

*In Mining Engineering*

LANCE GALE HERNING  
ALAN DALE KRUG

JOHN STEPHEN MILLER  
LARRY EDWIN SMITH

**COLLEGE OF LIBERAL ARTS AND SCIENCES**

**Degree of Bachelor of Arts**

*In Home Economics*

ROBERTA VERNA RIMPILA, Honors in Liberal Arts and Sciences

*In Liberal Arts and Sciences*

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ROBERT OWEN BAEDER  
SOTIRIOS ANGEL BARBER  
MARY DANA BECKETT, Honors in Liberal Arts and Sciences with Distinction in Political Science  
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BRIAN LYNN BLOCH  
BEVERLY CONVERSE BRETZ  
PATRICIA CAMERUS BROWN, Honors in Liberal Arts and Sciences  
GRAZINA M. BUDRYS  
MICHAEL JOSEPH BURNETT, Honors in Liberal Arts and Sciences with Highest Distinction in English  
DUANE ANTHONY BUTTELL, JR.  
NEIL RICHARD CARLSON, Honors in Liberal Arts and Sciences with Distinction in Psychology  
JOHN ROSS CLICKENER  
LENARD JOSEPH COHEN, Honors in Liberal Arts and Sciences with High Distinction in Political Science  
ALAN JAY COHLER  
VIRGINIA DECIE CRADDOCK, Honors in Liberal Arts and Sciences  
VIRGINIA YVONNE CRAIG, Honors in Liberal Arts and Sciences with High Distinction in Russian  
ROBERT LUDWIG DALLACH, JR.  
RICHARD JOHN DAVID  
WILLIAM RELLER DESOLLAR II  
BRUCE WILDER DIERSHAW  
DIANE MARIE DURKIN, Honors in Liberal Arts and Sciences  
RONALD LEE EISENBERG  
GEORGE HENRY ENGEL, Honors in Liberal Arts and Sciences with Distinction in Zoology  
JAMES MATTHEW FLAMMANG  
LOIS RENEE FORMAN  
WILLARD EDWARD FOX

RUDY WALTER FRANK  
FLORENCE MARIE GAULT  
NANCY MILES GILLFILLAN  
CHARLES EDWARD GLENNON  
JERRY JAY GORCKOW  
ALVIN MORTON GREENE  
RICHARD ANDREW GREENE  
JOHN JOSEPH GREVEN  
MARY JANE GUARD, Honors in Liberal Arts and Sciences  
DANUTE EGLE GUDAITIS, Honors in Liberal Arts and Sciences with Distinction in History  
MARIE LOUISE HABEGGER  
GARY LEROY HADDOCK  
RICHARD LIONEL HAGEN, Honors in Liberal Arts and Sciences  
ROBERT WAYNE HANCOCK  
EVELYN PEARL HARTMAN  
JOSEPH JOHN HASMAN  
THOMAS MARK HAYES  
JAMES RONALD HENSON  
JUDITH GAIL HEVERAN, Honors in Liberal Arts and Sciences  
BARRY JAY HOFFMAN, Honors in Liberal Arts and Sciences  
LEILA EUNICE HUCKO, Honors in Liberal Arts and Sciences with High Distinction in Political Science  
DAVID ROBERT HUEHNER  
MARGARET NELLA HUNTLEY, Honors in Liberal Arts and Sciences  
MARK ALAN IVENER  
DAVID ELLSWORTH JOHNSON  
JUDITH NARLAND JORDAN  
ROBERT THOMAS KALKOWSKI  
NORMAN KELIN  
KIRK RANDALL KENNEDY  
CAROL MAE KERCHENFAUT, Honors in Liberal Arts and Sciences with Highest Distinction in History  
RICHARD MAXWELL KIRBY

- BARBARA DAWN KOPFAN, Honors in Liberal Arts and Sciences with Highest Distinction in Russian  
 CLAIRE DEBORAH KUDISH  
 MERRILIN JOANNE LA FORTE  
 LYNETTE ELAINE LANGHOLF  
 BYRON GUSTAV LARSON  
 JOSEPH PATRICK LAVITE  
 JEROME LAZAR  
 PEGEEN JOCELYN LINN, Honors in Liberal Arts and Sciences  
 JOANN KATHERINE LOERAKKER  
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 JUNE FLORENCE LUNDERGAN  
 JOHN DOUGLAS LYNCH  
 PAMELA FAYE MACKENROTH  
 MARILYN ANN McCORD, Honors in Liberal Arts and Sciences with Highest Distinction in Philosophy  
 MICHAEL EUGENE MERCER  
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 LEWIS NOLEN MILES  
 SANDRA ELIZABETH MILLER, Honors in Liberal Arts and Sciences  
 DAN RALPH MURPHY  
 KAREN MARTHA MURRAY, Honors in Liberal Arts and Sciences  
 ARTHUR GUSTAV NELSON  
 LINDA ANN NIELSEN, Honors in Liberal Arts and Sciences with Distinction in Political Science  
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 JANICE BARENFANGER ONDER  
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 PHILIP JAMES OWEN  
 JOHN PAVLIDIS  
 CARL ALLEN PETERSON  
 WILLIAM SANFORD PLANK, Honors in Liberal Arts and Sciences  
 ALISON CAROL RETTGER, Honors in Liberal Arts and Sciences with High Distinction in Political Science
- LIONEL ROBIN  
 JULIAN RUBENSTEIN  
 CAROLYN MARIE SANDS  
 LARRY ALAN SARNOWSKI  
 MINAS SAVVAS, Honors in Liberal Arts and Sciences  
 MARTIN JOEL SCHACHNER  
 ALLAN HERBERT SCHAFER  
 CAROL LIBBY SCHECHTER  
 KAREN SUE SCHEIRMAN  
 MARJORY RAY SCHONFELD  
 ALLEN MICHAEL SCHWAB, Honors in Liberal Arts and Sciences  
 GEORGE MARTIN SERRING  
 KENNETH JOSEPH SHAFER  
 NAGWA KHADR SHOEB  
 DE LOS CALVIN SINCOCK  
 GLEDRE MARIA STATKUS  
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 JUDITH ALICE STEINBERG  
 JAYSON BRUCE STRODE  
 DIANA CLAIRE TARVIN, Honors in Liberal Arts and Sciences with Highest Distinction in English  
 SALLY RUTH TREJRAL  
 SALLY THERESA VALETTE  
 PAUL JOHN VANA  
 RUSSELL ROGERS VAN CLEVE  
 MELVIN MARVIN VUK  
 NORMA GRACE ELIZABETH WALKER, Honors in Liberal Arts and Sciences with Distinction in Spanish  
 WILLIAM DAVID WARD  
 MIRIAM RUTH WEISDORF  
 MIRIAM RUTH WEISSMAN  
 MARK HOPKINS WESTON  
 TIMOTHY MICHAEL WHALEN  
 ALBERT JAMES WICKS, Honors in Liberal Arts and Sciences with Distinction in Political Science  
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*In the Teaching of English*

- SUSAN SCHNEIDER BARR, Honors in Liberal Arts and Sciences  
 SUSAN FERN BERGER  
 MARIAN IRIS BROWN, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 GLENN LEON GLAUSER  
 CHARLENE SAROSSY GRAHAM, Honors in Liberal Arts and Sciences  
 JOAN THERESA HARDING, Honors in Liberal Arts and Sciences  
 PENELOPE LYNN JOHNSON, Honors in Liberal Arts and Sciences  
 SHIRLEY ANN KESSLER
- PATSY ELLEN KOCHENDERFER, Honors in Liberal Arts and Sciences  
 ELIZABETH KAY LEWKE  
 MARILYN JANE MAYER, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
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 DONNA SLOTIN  
 GAIL CLARE SPILKY, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
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 YVONNE JOY TWIETMEYER

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JO GARD WEBBER, Honors in Liberal  
Arts and Sciences

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eral Arts and Sciences

*In the Teaching of French*

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CARLA MINETTE GINZE, Honors in  
Liberal Arts and Sciences

*In the Teaching of German*

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eral Arts and Sciences

TREVOR ELLIS BISSEY

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MICHAEL ANTHONY MURRAY

SHEILA SMITH HUEHNER

FREDERICKA LINA RICHARDSON

*In the Teaching of Spanish*

CAROLE STEPHANIE BALCHUNAS

GAIL CASSEL McKELVEY

GRACE LYNN CROCKARELL BLAND

JUDITH GAIL URBAN

*In the Teaching of Speech*

SHARON ANN TRACY

**Degree of Bachelor of Science**

*In Chemical Engineering*

VERNON JOSEPH BOGNER

DONALD GENE STEINER

RICHARD HENRY GOHEEN

EUGENE EDWARD STERRIS, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum

LOREN THOMAS JETER

CHARLES WINSTON KEITH

TERRANCE LEE STRINGER, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum

ALLEN HENRY KRANZ

DAVID HAROLD PRIEBE

DANIEL EDWARD QUANE

THOMAS ROBERT STEIN, Honors in Lib-  
eral Arts and Sciences with High  
Distinction in the Curriculum

FREDERICK GEORGE TROPPE

*In Chemistry*

ALFRED EIJI ASATO, Honors in Liberal  
Arts and Sciences with High Dis-  
tinction in the Curriculum

ANDREW JOSEPH FISCHINGER

GUNTHER MICHAEL FLESS

HOWARD PAUL KLEIN

STANTON LANE BOYER

MARILYN JANE MAGNUSKI, Honors in  
Liberal Arts and Sciences

BEVERLY BRUCE DASZKIEWICZ

*In Liberal Arts and Sciences*

JAMES CHARLES ADAMEK

WILLIAM HENRY CONNOR, Honors in  
Liberal Arts and Sciences

MARY JANE ARNHOLT

EDWARD MICHAEL CRAFT

DAVID WAYNE BARRINGTON

HENRY LINCOLN CRONE

JOHN RUSSELL BATEMAN

THOMAS WILLIAM CUSICK, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in Mathematics

RICHARD ALLEN BERG

FREDERICH CHARLES BOCH

WILLIAM DEAN BOND

ELIZABETH ROSE BOWEN

MARCIA ANN DAEHN

ROGER HAROLD CARLSON

GARY SAMUEL DAVID, Honors in Lib-  
eral Arts and Sciences with Dis-  
tinction in Microbiology

HOWARD ELDON CAROLUS

JOHN DAVID CATCHING

RICHARD BRENT DEMINK

RONALD WILLIAM CHURCH

JOHN WAYNE DENSON  
ROGER HENRY DUSBERGER  
DIANA RAE FERRELL  
MAX GARB

GREGORY ALAN GERGANS, Honors in  
Liberal Arts and Sciences

SUSAN CRAFT GILBERT, Honors in Lib-  
eral Arts and Sciences with High-  
est Distinction in Psychology

RICHARD PATRICK GILSON

BARBARA GAIL GOLZ

STERLING GALE GRACE

BONITA JOYCE GRACH

GUNTER GUCKEL

BEVERLY JOY GUNDERSON, Honors in  
Liberal Arts and Sciences

THOMAS DONALD HENSON

BARBARA JEAN HILL

ROBERT RAYMOND HOLLERBACH

JOAN JOYCE JAKAWICH

MICHAEL GRAHAM JOHNSON

PATRICIA LEE DRAKE JOHNSON

DANIEL ARTHUR KAMMLER

EVA KASPAK

JOHN WILLIAM KLINKE

CARL RUDOLPH KNABLE, Honors in  
Liberal Arts and Sciences

DICK GARY KORICH

MICHAEL EDWARD KRAKOW

NADJA BEE LANCASTER, Honors in Lib-  
eral Arts and Sciences with Dis-  
tinction in Microbiology

KAREN LOUISE LANDSEA

CHIU WOON LEUNG

BURTON LEE LEVIN

WALDEN SHARP LEWIS, JR.

ALICE LING

TEISUOLIS CASIMIR MIKULSKIS

HARVEY SHELDON MOROWITZ

LEROY BING CHANG MOY

JOHN EDGAR MURPHY

WILLIAM DEWEY NORSWORTHY

JAMES LAWRENCE PARKER, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in Mathematics

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MICHAEL NOEL PAYNE, Honors in Lib-  
eral Arts and Sciences

SUSAN HOLLAND ROBERTS

NANCY LOU ROTH

KENNETH S. SACHS

RICHARD WILLIAM SCHROEDER, Honors  
in Liberal Arts and Sciences

WAYNE KENNETH SHOCKLEY, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in Mathematics

SUSAN MAE SMERDA

CAROL ANNE SPEARS

GEORGE CHARLES SVIHLA

JOEL TABACHNICK

NICHOLAS WASILKOFF

DAVID LESTER WESSEL, Honors in Lib-  
eral Arts and Sciences

GARY LYNN WILLIAMS

DEANNA RUTH ZEBELL

ANTHONY STANLEY ZOARS

### *In Physics*

GEORGE EFTHIMIOS TZOURAS, Honors in Liberal Arts and Sciences

### *In Speech Correction*

LESLIE LIDDICOAT BLAESING, Honors  
in Liberal Arts and Sciences  
with Highest Distinction in the  
Curriculum

PATTI HOPE FISHMAN

### *In the Teaching of the Biological Sciences and General Science*

JO ANNE BARRY, Honors in Liberal  
Arts and Sciences

PAULA BROCKSTEIN

MELVIN EUGENE EHRRARDT, Honors in  
Liberal Arts and Sciences

MARSHA ROCHELLE HAHN, Honors in  
Liberal Arts and Sciences

BRUCE ANTON JENSEN, Honors in Lib-  
eral Arts and Sciences

MARGARET ROSE MAREK, Honors in  
Liberal Arts and Sciences

DIANE JEAN ROSEN

SYLVIA PAULINE SIMBERG, Honors in  
Liberal Arts and Sciences

RICHARD HERMAN ZESCHKE

### *In the Teaching of Chemistry*

BARBARA HUNT DUNN, Honors in Lib-  
eral Arts and Sciences with Dis-  
tinction in the Curriculum

WILLIAM ROY HEFTTEL, Honors in Lib-  
eral Arts and Sciences with Dis-  
tinction in the Curriculum

### *In the Teaching of Geography*

LINDA LEONARD LAMME



*In the Teaching of Mathematics*

DIANE GERMAINE DEHAINAUT, Honors in Liberal Arts and Sciences	JEANNE BEVERLY SAMPLE, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
BARBARA DRAHOS MARK	NORMAN MATTHEW SULA
NATALIE NICHOLAS, Honors in Liberal Arts and Sciences	

*In the Teaching of Physics*

RONALD RAY COLWELL

## COLLEGE OF LAW

## Degree of Bachelor of Laws

ALLEN LEE DOUGHERTY, B.S., 1961	CARL JOSEPH SINDER, B.S., 1961
HENRY BERNARD GEISE, B.S., Quincy College, 1959	ROBERT BRUCE THOMSON, Jr., A.B., Illinois College, 1963
JOSEPH VIRGIL GIFFIN, B.S., 1957	JAMES RONALD WATSON, B.S., 1954
CHARLES WILLIAM HELMIG, B.S., 1960	CRAIG RANKIN WEBBER, B.S., 1958
RONALD EUGENE HOLLOWAY, B.S., 1961	WILLIAM CHARLES WRIGHT, A.B., San Jose State College, 1957
JOHN WILLIAM HUFFMAN, B.S., East- ern Illinois University, 1959	

## COLLEGE OF EDUCATION

## Degree of Bachelor of Science

*In Education*

IONA LOUISE DYSON	EDWIN ALLEN METZL
JAMES LOUIS ELDRIDGE	BERENICE OSORIO DE VELEZ
RICHARD HAROLD FALK	MARGARITA MARIA PISAREVAS
GEORGE ROBERT HART	ANNE LOIS SCHWAB
MARGARET LOUISE HASSLER, Honors	RICHARD MICHAEL STANTON
FRANCES ROSALIE HOLSTE	JANE STAUTER
JANET STAUTER KEMPER	LAWRENCE WILLIAM STINSON
JOAN LAPASINSKI KRYSINSKI	ARTHUR LEE VINCENT

*In the Education of Mentally Handicapped Children*

SATIA YVETTE MARSHALL

*In Elementary Education*

POLLY ANN ANDREWS	SARAH MARTHA HOPSON
SUSAN MARY BAUMBACH	FRANCES ROBERTA ISRAELSTAM
JUDITH VIRGINIA BEDNAR	BARBARA IRIS JACOBSON
LOWELLA SMITH BIDDLE	KAREN SCHMELZER JEPSON
LEE ANN BINDER	HARLENE HOPE KALLICK, High Honors
SUSAN TURITZ BLOCK	JOYCE ANN KAPIK, High Honors
JUDITH D'AMBROSIO BOLLIER	SUE SCOTT KLINGENBERG
JUNE EVELYN BROWN	EVA ANN KNECHT
KAREN HANSEN CAMERON	MARLENE BEATRICE KOOPERMAN
BARBARA ANN CROWTHER	NANCY LOU KROGSTAD
IRIS CLAIRE DORENFEST	MYRNA RAE LEIBMAN
CAROL JEAN DURAN	GAIL RUTH LOME
MARILYN SCHMARAK ERNSTEEN	IRIS LILLIAN MILLER
MARSHA ILENE FACKTOR, Honors	FERN ALYCE NELSON, Honors
JOAN DIANE FRANK	MARLENE JUDITH NICO
NATALIE KUSHNER FRANKENBERG	SHARON PAWLOW NOVICK
MYRA ULLMANN FREIMAN	ANNA MAE OERTEL, High Honors
CAROLYN ELAINE GOHR	LYNN ETTA PADGITT
LEAH BARBARA GOMBERG	BARBARA ANN PAULAN
KAROL SELVIDGE GRUEN	SHARON ANN PETERSON, Highest Honors
ELAINE HEDY GRUNDKE	JANET HELEN PFAU, High Honors
JANIS HENKLE	SHARON SYBIL PORT
BLANCHE CECILIA HOOVER	

CHARNA JOAN RUSH, Honors  
 CAROLE WHITE SCHNEIDER  
 GARY GEORGE SCHROEDER  
 DAYLE LESLIE SCHWARTZ, Honors  
 MERLE NITA SILVERSTEIN

ROSALIND DOLORES SILVERSTEIN  
 ROCHELLE STERN  
 PHYLLIS WEINER  
 ADRIEN ENID WEISS  
 VIVIAN ELLEN ANN ZHITOMIRSKY

*In Industrial Education*

JOHN JOSEPH CHMELINA  
 BRUCE CUNNINGHAM CREAMER  
 WELDON EARL GARRELT  
 CLIFFORD ANTHONY KIEHL

DENNIS CHARLES KRZEMIEN  
 LENNART RAYMOND OHMAN  
 RICHARD ALLEN WEIHL  
 FRED STERLING WISE, Honors

**COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION**

**Degree of Bachelor of Science**

*In Accountancy*

GEORGE STEVEN ALT  
 DONALD JOHN BERGEN  
 CLARK LEES BERNARD  
 JOSEPH EDWARD BLACK  
 GARY EMMERT BOEKE  
 MARVIN JOEL DICKMAN, High Honors  
 THOMAS JOSEPH DUFFY  
 TRUMAN HAROLD ESMOND, JR.  
 DAVID BRUCE FLAX  
 MICHAEL LARRY FRIEDMAN  
 ALLEN LEE GINSBERG  
 ALBERT FERDINAND GOEPPINGER  
 PERRY EPHRIAM GOLDBERG  
 EDWARD GOLDSAND  
 DAVID CAMPBELL HASTINGS  
 ROBERT CLARENCE HENK  
 LARRY DALE HOPPER  
 GERALD KARL JANKOWSKI  
 ROBERT JOSEPH JIROVEC  
 JOHN JOSEPH KAMERER  
 BURTON ROBERT KAPLAN

MELVIN JULES KLEIN  
 ROBERT RAYMOND LANDOWSKI  
 RITA CAROLYN LEWIS  
 JAMES ALLAN MARKSTROM  
 RICHARD EDWARD MARTIN  
 JOHN CAMERON MEIER  
 PRUDENCIO AGOYAOY NONO, JR.  
 WILLIAM MAX REXROAD, Honors  
 RONALD EVAN ROBERTS  
 RICHARD ALLEN ROMER  
 GERALD LANG SALAMON, Honors  
 FRED EUGENE SAUTER  
 CHARLES RUSSELL SCOTT  
 BERNARD HENRY SHAPIRO, High Honors  
 THOMAS EUGENE SHEPPERD  
 AUGUST ANTHONY WANKA  
 ROBERT FREDERICK WILEY  
 JAMES DOUGLAS WILLIAMS  
 RICHARD WONG

*In Commerce and Law*

JOSEPH VINCENT FLORINI  
 ROBERT GENE GRANDA

WILLIAM GARY WINGET

*In Commercial Teaching*

ANN LOUISE KINDT, Honors  
 PHILLIP DANIEL McLOUTH

DONALD BRUCE TREMPER

*In Economics*

BRIAN HAWKINSON BUYERS  
 WILLIAM LEITCH HOLDER  
 JOHN MICHAEL KIRTLEY  
 GERALD DAI SUN LOW  
 ROBERT OSCAR MALM

KEITH MARTIN POCKROSS  
 KENNETH CHARLES SCHMITZ  
 FRED WILLIAM SCHONLAU  
 STUART IRA WEINSTEIN

*In Finance*

ROGER LOUIS FRANKS  
 JAMES NOEL HEILIGENSTEIN  
 PHILIP EARL KUCERA

JOHN FRANCIS PODJASEK, JR.  
 LARRY JOE ROBERTS  
 LEE HENRY SCHINKER

*In Industrial Administration*

FERMIN AGUILAR  
 DAVID HUGH CAMERON  
 WILLIAM DENNIS DeCARY  
 PAUL ROBERT FAGERMAN

JAMES JOHN HUDEK  
 JAMES EMMETT STUEBE  
 JAMES EDWARD TRAUTMAN  
 BRIAN JOSEPH VANCATA

*In Management*

RICHARD WILLIAM BABCOCK  
 GEORGE DUNN COGHLAN  
 EUGENE HOWARD COHEN  
 MICHAEL PETER CROLL  
 JOHN McDOWELL CURTIS  
 DELFINO VINCENT D'AMBROSIO  
 ROBERT JAMES DEFENBAUGH  
 RALPH GALEN DOWNER  
 JOE EDGAR FLEMING, JR.  
 JOSEPH EDWARD HAYES  
 JAMES FREDERICK HEISE  
 STEVEN ARTHUR HOEFFNER  
 WILLIAM ALAN KLINK

DAVID KOBES  
 LARRY CHARLES LONG  
 BONNIE MARINKOVICH  
 JERRY EARL PIERCE  
 JOSEPH JAMES RIHA  
 JOSEPH VICTOR RUND, JR.  
 CALVIN DARRELL SHOOK  
 PATRICIA ANN SLAGLEY  
 JOSEPH THOMAS SOMMER  
 LYNN EDWARD SUNDSTROM  
 THOMAS ADAM WILTRAKIS  
 JAMES FLORIAN ZIENTARA

*In Management and Marketing*

JAMES NATHAN JACKSON, Honors in Marketing

*In Marketing*

RUSSELL WILLIAM ABRAHAM  
 JOHN CHAMBERS BRIDGWATER III  
 DAVID LOGAN BUELL  
 PATRICK MICHAEL DOUGLASS  
 STEPHEN ARTHUR FOERSTER  
 DONALD FOSTER FOLGER  
 LARRY MORGAN FRIEDRICH  
 PAUL ROBERT GILL  
 JOHN PATTERSON GLASS III  
 JACK ALLAN GRETZEMA  
 WILLIAM ALLAN HAGGERTY  
 JOHN GEORGE JESSE  
 BRUCE CONNOR JOHNSON, JR.  
 BRUCE TAYLOR LARSON  
 JEFFREY Z. LEVINE  
 TERENCE ROBERT MCBURNEY  
 DAVID ALLEN MEYERS

LEONARD RICHARD OLSON  
 DENNIS LEE PREWITT  
 DONALD FRANK RIPPBERGER  
 JAMES ELWYN RORAH  
 FREDERICK ROBERT SCHAEFFER, Honors  
 FRANK JOSEPH SCORTINO  
 FREDERIC BRUCE SHURTS  
 RICHARD CHARLES SHURTZ  
 VERNON CARL SINN  
 CARL OSCAR SKILBRED  
 CHARLES JULIAN TAYLO  
 WILLIAM JOHN TOMSIK  
 THOMAS PAUL VENKUS  
 BRIAN LEE WALLEN  
 EDWARD HENRY WIRTZ, JR.  
 KENNETH ZOHRER

*In Urban Land Economics*

ALAN JAMES GERTENRICH  
 LESLIE WAYNE LAIBLY

HOWARD LEE WEINSTEIN

**COLLEGE OF JOURNALISM AND COMMUNICATIONS****Degree of Bachelor of Science***In Communications*

SAMUEL MARVIN ARONSON  
 THOMAS JOSEPH BASH  
 YALE STUART BRODY  
 JEROME STEWART BURDICK  
 BONNIE ILLENE DICTOR  
 RUTH KIDDOO DONDANVILLE, High  
 Honors  
 GRANT GARY JACOBSEN  
 KENNETH RICHARD JAKLE  
 ROY LOUIS KARON

ALAN ROY MORRIS  
 GARY ALLAN OLSON  
 NANCY DUDEEN PERONA  
 BERNARD FRANK ROSCETTI  
 THOMAS RICHARD STAHLER  
 DAVID GRAHAM VANSELOW  
 THOMAS REYNOLDS WATSON  
 STEPHEN EARL WEAD  
 GARRETT HENRY WINTER III

**COLLEGE OF FINE AND APPLIED ARTS****Degree of Bachelor of Architecture**

WARREN ALLEN ALLABASTRO  
 LOREN MARTIN BENSON

JOHN THOMAS BLOUNT  
 JACQUES RENARD BOLLIER

KONSTANCIJA BRAZDYS  
 LARRY LEE CANNON, Highest Honors  
 EDWIN McLEAN DENSON  
 RONALD EDWARD DeTELLA  
 DONALD WILLIAM DOBRINSKE  
 LEE ALBERT DURAN  
 HOWARD STEVEN ELLEGANT  
 GREGORY EDMUND HEIMOS  
 MARVIN IRVIN HERMAN  
 HOWARD JOHN IBER  
 ROBERT HARVEY JACOBS  
 DAVID LEE KAL  
 MANFRED CAMILLO KEIL  
 RYLAND WAYNE KOETS  
 JEROME ANTHONY KOWALSKI  
 HARRY NOBUO KUGISAKI

ALAN HAROLD LARSON  
 LAWRENCE JOHN LEVERENZ  
 HAROLD TIN KEI MA  
 THOMAS FRANCIS MRKAVA  
 BARRY LEE NEWDELMAN  
 JAMES PETER PUNG  
 JOHN L. RISHLING, Honors  
 MAX PAUL RUPPECK, Honors  
 JOSEPH ERNEST SEYMOUR  
 JUDITH LEE SIMON, High Honors  
 LEONID SKOROCHOD  
 JAMES EMANUAL STAIF  
 JOSEPH STANLEY SZYMANKOWSKI  
 ALBERT HIDEO TSUTSUI  
 FRANK ERICH ZITZLAFF

### Degree of Bachelor of Fine Arts

#### *In Advertising Design*

VAN H. AUSTIN  
 JOHN MICHAEL CARNEY  
 FRANKLIN RUSSEL KALASKIE  
 JAMES EDWARD KELLY, JR.

EILEEN COHN READ  
 WILLIAM HENRY SCHMADEBECK  
 FRANK BRIAN ZELIP

#### *In Art Education*

SALLY ANN GREENBERG

JOEL McCLENDON PRICE

#### *In Industrial Design*

GEORGE GREGORY BROPHY  
 ROBERT EDWIN DRAPEAU  
 GERALD EDWARD MATE  
 JOHN ANDREW MIKULSKI, Honors  
 HECTOR IGNATIUS MUNOZ  
 JERRY DAVID NORRIS

THOMAS LEON RAFINSKI  
 JOHN JOSEPH RISKO  
 WILLIAM HENRY SCHULTZ  
 ANSON SIMS, Honors  
 FRANK ALLEN WARD  
 ROBERT JOHN WELCH

#### *In Painting*

KENNETH MICHAEL ANDERSON, High Honors  
 LINDA JANE ELLIS

JUDITH SCHIEMANN HAHN, Honors  
 JOHN STEVENSON READ  
 MICHAEL THOMAS STACK, Honors

### Degree of Bachelor of Music

ELEANOR DIANE GOULD  
 LARRY THOMAS KERKHOFF, Honors  
 JOHN STANLEY LYON

DENNIS RALSTON MARSHALL, Highest Honors  
 ROGER PALMER STONELAKE, Honors

### Degree of Bachelor of Science

#### *In Music Education*

CAROLYN CHAPMAN CECI  
 SHARON ELIZABETH COATS, Honors  
 DALE FRANCIS HOPPER

JAMES CHRIS STUTSMAN  
 CAROLYN JOAN WRIGHT, High Honors

### COLLEGE OF PHYSICAL EDUCATION

#### Degree of Bachelor of Science

##### *In Physical Education*

ROBERT DAVID ARNOLD  
 MICHAEL ALAN BERGER  
 CAROL TAIT BROWN  
 JOHN JOSEPH BURNS  
 DOMINIC LOUIS CACCAVARI

GARY MARSHALL CORTRIGHT  
 JOHN PATRICK EMERICH  
 JOSEPH CHARLES HALAC  
 HAROLD ZACHARY HOLMES, JR.  
 SHARON LOIS JOHNSON

RONNA EDELCUP KAPLAN  
CAROLINE CECILIA LANHAM  
GEORGE ALAN LEONARDI  
RICHARD KEITH MUELLER  
JOSEPH ROBERT NIEZGODA  
LOIS JUNKO OYAMA  
FRANK EDWIN PREO  
WAYNE FREDERICK RABOLD  
GEORGE MORRIS REED  
RAFFAELE SALATINO  
JOYCE ANN SANQUIST

HOPE KUNIN SCHWARTZ  
JOHN LAWRENCE SCHOOFF  
FREDRICK EUGENE SCHOOLEY  
THOMAS PAUL SOKALSKI  
JAMES JOHN SPREITZER  
MYRON EUGENE TALIAFERRO, JR.  
LEONARD JOSEPH TULIPANO  
RICHARD WALTERS  
JAMES FRANCIS WENIGER  
JOHN ALAN WHEATLAND  
MARTHA HELEN ZEISSLER

#### *In Recreation*

ALAN RICE CASKEY  
ANTHONY LUDWIG FLORIO  
KATHARINE PILCHER KRAL

NORMAN H. MARCUS  
ROBERT DALE SCHARBERT  
FRANK WILLIAM STRAINIS

### COLLEGE OF VETERINARY MEDICINE

#### Degree of Bachelor of Science

##### *In Veterinary Medicine*

CURTISS HALE GILLER  
ROBERT DUANE MCDAVITT

DENNIS LEE MESSAMORE

### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; cancellations, resignations, declinations, and terminations; leaves of absence; cancellation of sabbatical leave of absence.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

ADAMS, JAMES M., Assistant in the Institute of Aviation, February 1-June 15, 1964, \$2,100 (1-16-64).

ADLER, DONATELLA G., Research Assistant Professor of Physics (C), six months from January 1, 1964, \$750 a month (1-16-64).

ANDERSON, LYNN R., Instructor in Psychology,  $\frac{3}{4}$  time, and Research Associate in Psychology,  $\frac{1}{2}$  time, to render service during the second semester of the academic year, \$2,550, supersedes (12-26-63).

BAULING, DOUGLAS B., Instructor in Agricultural Engineering (S),  $\frac{1}{2}$  time, and Assistant Director of the Agricultural Experiment Station,  $\frac{1}{2}$  time, seven months from February 1, 1964, \$8,000 a year, supersedes (1-31-64).

BECKENHOLDT, WILLARD D., Research Assistant in Agricultural Administration (C),  $\frac{1}{2}$  time, and Assistant in Agricultural Administration (C),  $\frac{1}{2}$  time, January 6-August 31, 1964, \$3,527.42, supersedes (1-16-64).

BERKSON, GERSHON, Research Associate in Psychiatry (Medicine), nine months from December 1, 1963, without salary (1-10-64).

BEST, WILLIAM R., Associate Professor of Medicine (Medicine),  $\frac{1}{2}$  time, indefinite tenure from January 1, 1964, \$7,333 a year, supersedes (1-10-64).

BITZER, DONALD L., Adviser on Use of High-Speed Computers and Associate Professor of Electrical Engineering at the Indian Institute of Technology, Kharagpur, India, for service under Contract AIDC-1220, from January 17 through July 18, 1964, \$17,000 a year; and Associate Professor of Electrical Engineering,  $\frac{1}{4}$  time, indefinite tenure from July 19, 1964, and Research Associate Professor in the Coordinated Science Laboratory,  $\frac{3}{4}$  time, from July 19 through August 31, 1964, \$15,300 a year, supersedes (1-2-64).

BORCHART, EUGENE K., Instructor in Radiology (Medicine), eight months from January 1, 1964, without salary, supersedes salaried appointment (1-2-64).

BRINEY, ROBERT R., Clinical Instructor in Medicine (Medicine), eight months from January 1, 1964, without salary (1-10-64).

- BROWN, GORDON E., Instructor in Mathematics, to render service during the second semester of the academic year 1963-64, \$7,000 a year, supersedes (1-2-64).
- BUBENZER, GARY D., Instructor in Agricultural Engineering (C and S), seven months from February 1, 1964, \$8,000 a year (1-27-64).
- BURNS, HARRIS, JR., Research Associate in Chemistry, eight months from January 1, 1964, \$6,600 a year (1-16-64).
- CARR, KENNETH R., Instructor in Electrical Engineering (C),  $\frac{1}{4}$  time, to render service during the second semester of the academic year 1963-64, \$675 (1-15-64).
- CHATMAN, DONALD G., Research Assistant in Medicine (Medicine), January 20-August 31, 1964, \$6,000 a year (1-24-64).
- CLEMENCON, HEINZ, Research Associate in Chemistry, one year from September 1, 1964, \$6,300 (1-27-64).
- CLEVINGER, I. CAROL, Head Resident, Noble Hall, five months from February 1, 1964, \$2,400; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation, valued at \$31 a month (1-22-64).
- CROWDER, JAMES R., Research Assistant in the Coordinated Science Laboratory (C), reducing his appointment from full time to  $\frac{3}{4}$  time, supersedes (12-26-63).
- DAVENPORT, MRS. JANICE C., Research Assistant in Zoology, eight months from January 1, 1964, \$3,433.36 (1-21-64).
- DEAN, CHARLES W., Assistant in Sociology,  $\frac{1}{2}$  time, and Research Assistant in the Institute of Communications Research,  $\frac{1}{2}$  time, February 1-June 15, 1964, \$2,100, supersedes (1-16-64).
- ECONOMOU, STEVEN G., Clinical Associate Professor of Surgery (Medicine), indefinite tenure from January 1, 1964, without salary, supersedes salaried appointment (1-17-64).
- FARA, HARRY, Research Associate in Mining Engineering (C),  $\frac{2}{3}$  time, February 1-June 15, 1964, \$1,999.98 (1-24-64).
- FISHER, MRS. BARBARA N., Research Assistant in Chemistry, seven months from February 1, 1964, \$3,208.59 (1-23-64).
- FRANCIS, FRANK C., George A. Miller Visiting Lecturer in the Graduate School of Library Science, one month from March 1, 1964, \$3,000 (1-22-64).
- FREID, MARVIN A., Research Assistant in Medicine (Medicine), eight months from November 1, 1963, without salary (12-26-63).
- FRIEDMAN, MRS. DOROTHY M., Research Associate in Education (University High School, Mathematics Project), February 1-June 15, 1964, \$3,600 (1-10-64).
- GRADY, JOHN E., Instructor in Histology (Dentistry),  $\frac{3}{5}$  time, eight months from January 1, 1964, \$4,500 a year, supersedes (1-16-64).
- GRIFFITHS, EDWARD K., Clinical Instructor in Medicine (Medicine), nine months from December 1, 1963, without salary (1-2-64).
- HAFELE, JOSEPH C., Research Associate in Physics (C), seven months from February 1, 1964, \$4,550, supersedes (1-20-64).
- HAFSTROM, JEANNE L., Instructor in Family Economics, Department of Home Economics (E and S), eight months from January 1, 1964, \$8,000 a year, supersedes nonacademic appointment (1-6-64).
- HAWKINS, HELEN A., Acting Assistant Dean of Women, five months from February 1, 1964, \$3,500, supersedes (11-18-63).
- HAYWARD, HAROLD N., Professor of Electrical Engineering at the Indian Institute of Technology, Kharagpur, India, for service under Contract AIDc-1220, from May 12, 1964, through June 30, 1964, \$20,521 a year; and, beginning July 1, 1964, Professor of Electrical Engineering (C), indefinite tenure, and Director of the Measurement Program (S), on academic year basis; his appointment on a salaried basis will begin September 1, 1964, supersedes (1-20-64).
- HENNE, BERTRAND W., Instructor in the Institute of Aviation, seven months from February 1, 1964, \$7,700 a year, supersedes (1-20-64).
- HENNES, JAMES D., Research Associate in the Office of Instructional Television (Executive Vice-President and Provost's Office), December 1, 1963-June 15, 1964, \$4,550, supersedes (12-26-63).
- HOFFMAN, FREDERICK, Instructor in Mathematics, to render service during the second semester of the academic year, \$7,000 a year, supersedes (1-2-64).

- INMAN, FRANKLIN P., JR., Research Associate in Microbiology, nine months from December 1, 1963, \$7,500 a year (1-10-64).
- JENSEN, HARALD P., JR., Research Assistant in Anthropology, seven months from February 1, 1964, \$3,266.69 (1-17-64).
- JOHNSON, ROBERT A., Assistant in the Institute of Aviation, February 1-June 15, 1964, \$2,100 (1-16-64).
- KARJALA, DENNIS S., Instructor in Electrical Engineering (C),  $\frac{1}{2}$  time, February 1-June 15, 1964, \$1,250, supersedes (1-15-64).
- KELLY, ELIZABETH K., Research Associate in Electrical Engineering (S), seven months from February 1, 1964, without salary, supersedes salaried appointment (1-17-64).
- KERPELMAN, LARRY C., Clinical Instructor in Psychology, Department of Psychiatry (Medicine), nine months from December 1, 1963, without salary (1-16-64).
- KOLESNYK, PETRO, Catalog Assistant in the Library, eight months from January 1, 1964, \$3,800 (1-2-64).
- KOZLOW, ROBERT D., Assistant Professor of Library Administration (Chicago Undergraduate Division), February 17-August 31, 1964, \$8,200 a year, supersedes (1-8-64).
- KROBER, MARVIN S., Research Assistant in Chemistry, seven months from February 1, 1964, \$3,004.19 (1-15-64).
- KULIS, JOHN C., Clinical Instructor in Medicine (Medicine), ten months from November 1, 1963, without salary, supersedes salaried appointment (1-2-64).
- KUNG, SIDNEY H. L., Research Associate in Theoretical and Applied Mechanics (C),  $\frac{3}{4}$  time, to render service for five months from January 15, 1964, \$2,547.58, supersedes (12-26-63).
- KURAHASI, KENGO, Research Associate in Psychiatry (Medicine), seven months from February 1, 1964, \$6,500 a year (1-27-64).
- LAMIOT, JOHN D., Assistant in Medicine (Medicine), one year from July 1, 1963, without salary (12-26-63).
- LANGSJOEN, RALPH J., Assistant Professor of Hygiene, and Staff Physician in the Health Center and McKinley Hospital, seven months from February 1, 1964, \$15,000 a year (1-16-64).
- LEHMAN, FREDERIC K., Assistant Professor of Anthropology and of Linguistics, to render service during the second semester of the academic year 1963-64, \$7,200 a year, supersedes (1-24-64).
- LEIFESTE, BERTHA V., Visiting Lecturer in Education (Chicago Undergraduate Division),  $\frac{3}{8}$  time, February 1-June 15, 1964, \$2,800 (1-24-64).
- LONG, ROBERT S., Assistant in Microbiology, February 1-June 15, 1964, \$2,100, supersedes (1-20-64).
- MALONE, ANTHONY J., Instructor in Pedodontics (Dentistry),  $\frac{1}{2}$  time, eight months from January 1, 1964, \$1,600 a year (1-31-64).
- MARKOVIC, MIHAILO A., Research Associate in Anatomy (Medicine),  $\frac{1}{2}$  time, and Research Associate in Radiology (Dentistry),  $\frac{1}{2}$  time, nine months from December 1, 1963, \$7,600 a year, supersedes (1-2-64).
- MARTIRANO, SALVATORE J., Assistant Professor of Music, academic year beginning September 1, 1964, \$9,000 (1-22-64).
- MATSUI, HIDEO, Instructor in Psychiatry (Medicine), January 15-August 31, 1964, \$7,000 a year (1-10-64).
- MCCUNE, SHANNON, Visiting Professor of Geography, for seven months from February 1, 1964, without salary; this is in addition to his appointment as Consultant to the President and to the Executive Vice-President and Provost (2-3-64).
- MENDELSON, MARK J., Research Associate assigned to the Cleft Palate Training Program (Dentistry),  $\frac{1}{4}$  time, eight months from January 1, 1964, \$1,500 a year (1-31-64).
- METZGER, DUANE G., Research Assistant Professor in the Institute of Communications Research (College of Journalism and Communications) and Assistant Professor of Anthropology (College of Liberal Arts and Sciences), February 1-June 15, 1964, \$4,100 (1-22-64).
- MRAZEK, RUDOLPH G., Clinical Associate Professor of Surgery (Medicine), indefinite tenure from January 1, 1964, without salary, supersedes salaried appointment (1-17-64).

- MUELLER, EUGENE A., Research Associate in the State Water Survey and in the Graduate College,  $\frac{1}{2}$  time, five months from February 1, 1964, \$2,625, supersedes (1-7-64).
- MYERS, THOMAS P., Research Assistant in Anthropology, seven months from February 1, 1964, \$3,266.69 (1-23-64).
- NEAL, JOHN A., Research Associate in Theoretical and Applied Mechanics (C),  $\frac{3}{4}$  time, to render service during the second semester of the academic year 1963-64, \$1,800, supersedes (1-24-64).
- NETTL, BRUNO, Visiting Lecturer in Music, nine months from September 16, 1964, \$9,500 (1-22-64).
- NIHEI, YASUMITSU, Research Assistant in Labor and Industrial Relations, for one month from February 1, 1964, \$466.67 (1-23-64).
- OHLSON, VIRGINIA M., Associate Professor of Nursing, on  $\frac{1}{5}$  time for winter quarter, payable January 1 through April 30, 1964, \$2,060 a year, and on  $\frac{1}{2}$  time for spring quarter, payable May 1 through August 31, 1964, \$5,150 a year; Associate Professor of Nursing, on indefinite tenure, to render service during each academic year, beginning September 1, 1964, supersedes (1-10-64).
- PAGE, JAMES, Research Assistant in Electrical Engineering (C),  $\frac{3}{4}$  time, seven months from February 1, 1964, \$2,712.50, and Assistant in Electrical Engineering (C),  $\frac{1}{4}$  time, February 1-June 15, 1964, \$634.10, supersedes (1-15-64).
- PARKS, JOE M., Visiting Assistant Professor of Biophysics, Department of Physiology and Biophysics, February 1-June 15, 1964, \$944.44 a month (1-22-64).
- PEKAS, DAROLD, Research Assistant in Biological Chemistry (Medicine), eight months from January 1, 1964, \$5,150 a year (1-15-64).
- PENEV, LUBEN C., Clinical Instructor in Medicine (Medicine), ten months from November 1, 1963, without salary, supersedes salaried appointment (1-2-64).
- PERRY, GEORGE T., Instructor in Medicine (Medicine),  $\frac{1}{2}$  time, eight months from January 1, 1964, \$5,000 a year, supersedes nonsalaried appointment (1-27-64).
- PERKSHING, ROSCOE L., Research Associate in Agricultural Engineering (S), eight months from January 1, 1964, \$4,102.64, supersedes (1-16-64).
- PICKENS, LEON F., Assistant in Physical Education for Men (Chicago Undergraduate Division), February 1-June 15, 1964, \$2,500, and \$300 for overtime from the Athletic Associate for services to it, total salary \$2,800 (1-24-64).
- POCHYLY, DONALD F., Clinical Assistant in Medicine (Medicine), six months from January 1, 1964, without salary (1-8-64).
- ROAN, VERNON P., JR., Instructor in Aeronautical and Astronautical Engineering (C),  $\frac{3}{4}$  time, to render service during the second semester of the academic year 1963-64, \$2,250 (1-16-64).
- ROSEN, SEYMOUR, Instructor in Pathology (Medicine), six months from January 1, 1964, \$508.34 a month, supersedes nonsalaried appointment (1-3-64).
- ROSENBERG, RONALD, Assistant Professor of Anesthesiology, Department of Surgery (Medicine),  $\frac{9}{10}$  time, January 1, 1964-August 31, 1965, \$14,850 a year, supersedes (1-2-64).
- RUBINSTEIN, MRS. ALICIA S., Research Assistant in Oral Pathology (Dentistry), eight months from January 1, 1964, \$429.17 a month (1-8-64).
- RUELLE, ROBERT, Assistant in the Institute of Aviation, January 15-June 15, 1964, \$2,355.91 (1-23-64).
- SHIPTON, GROVER E., Manager of Public Information (Chicago Undergraduate Division), seven months from February 1, 1964, \$9,400 a year, supersedes nonacademic appointment (1-27-64).
- SMITH, ANNABEL L., Instructor in the Catalog Department of the Library (Chicago Undergraduate Division), January 27-August 31, 1964, \$6,100 a year (1-31-64).
- SOBRAI, MANOEL, JR., Research Associate in the Coordinated Science Laboratory (C), seven months from February 1, 1964, \$10,000 a year, supersedes (1-22-64).
- SOLWAY, JACK, Clinical Instructor in Anesthesiology, Department of Surgery (Medicine) nine months from December 1, 1963, without salary (1-2-64).
- STEPHENS, MRS. NANCY A., Architecture Library Assistant in the Library, seven months from February 1, 1964, \$3,266.69, supersedes (1-8-64).
- STOOPS, JEANETTE M., Head Resident, Saunders Hall, five months from February 1, 1964, \$2,400; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (1-24-64).



- TODD, CHARLES W., Visiting Lecturer in Chemistry, to render service for five and one-half months from January 1, 1964, \$9,778 (1-10-64).
- TZOURAS, GEORGE, Assistant in Physics (Chicago Undergraduate Division), February 1-June 15, 1964, \$3,000 (1-21-64).
- UNTI, EUGENE, Clinical Instructor in Prosthodontics (Dentistry), eight months from January 1, 1964, without salary (1-2-64).
- UZGIRIS, INA C., Research Associate in Psychology, seven months from February 1, 1964, \$6,600 a year, supersedes (1-10-64).
- VENABLES, JOHN A., Research Assistant Professor of Physics (C), six months from March 1, 1964, \$9,200 a year, supersedes (1-22-64).
- VERMEULEN, MRS. MARY E., Research Assistant in Microbiology, seven months from February 1, 1964 (1-23-64).
- VOGEL, WOLFGANG H., Instructor in Pharmacology (Medicine), eight months from December 1, 1963, \$708.25 a month, supersedes (1-10-64).
- WALKER, MRS. EUNICE, Education Library Assistant in the Library, seven months from February 1, 1964, \$3,208.38 (12-26-63).
- WALL, FREDERICK T., Professor of Chemistry, for two months beginning June 16, 1964, \$5,555.54; this is in addition to his present appointment (1-22-64).
- WEI, LUN-SHIN, Assistant Professor of Food Science, in the Agricultural Experiment Station on  $\frac{4}{5}$  time, and in the College of Agriculture on  $\frac{1}{5}$  time, seven months from February 1, 1964, \$8,200 a year, supersedes (1-22-64).
- WELLAND, MRS. MARIE-LOUISE, Instructor in Mathematics, Department of Chemistry (Pharmacy), to render service for six months from January 1, 1964, \$5,700 a year (1-2-64).
- YAAGER, JAMES A., Associate Professor of Histology (Dentistry), indefinite tenure from January 1, 1964, \$13,000 a year, supersedes (1-2-64).

#### FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- BARRINGTON, E., United States Public Health Service Fellow in Oral Pathology, one year from September 4, 1963, without salary (1-3-64).
- CHO, FREDERICK YI-TUNG, United States Public Health Service Fellow (Trainee) in Physiology and Biophysics, five months from February 1, 1964, \$1,110.85 (1-2-64).
- CHUA, LEON O., Fellow in Electrical Engineering, February 1-June 15, 1964, \$1,000; and two months from June 16, 1964, \$500 (1-20-64).
- COLLIER, CHARLES P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170, supersedes (1-2-64).
- FELDMAN, ROSS, United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from January 1, 1964, \$1,500 (12-20-63).
- GEMRICH, EDWIN G., United States Public Health Service Fellow (Trainee) in Entomology, five months from February 1, 1964, \$1,200 (1-20-64).
- GOLD, LLOYD A., Teaching Fellow in Music, nine months from September 16, 1963, \$1,450, supersedes (1-2-64).
- GRAHAM, ALLAN L., United States Public Health Service Senior Clinical Trainee in Surgery, one year from July 1, 1964, without salary (1-3-64).
- GROSBOLL, MARTIN P., Fellow in Chemical Engineering, two months from June 16, 1964, \$600 (1-2-64).
- GRUENER, RAPHAEL P., United States Public Health Service Fellow (Trainee) in Physiology, February 1-June 15, 1964, \$999.72 (1-15-64).
- HALFMAN, CLARKE, United States Public Health Service Fellow (Trainee) in Food Science, ten months from November 1, 1963, \$2,083.33, supersedes (12-12-63).
- HEDIN, MRS. DARLENE R., United States Public Health Service Fellow (Trainee) in Biological Chemistry, six months from January 1, 1964, \$1,200 (12-27-63).
- HEMMER, JOSEPH C., Ramo-Wooldridge Fellow in Electrical Engineering, February 1-June 15, 1964, \$940 (1-2-64).
- JORGENSEN, DONALD R., United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from January 1, 1964, \$2,750 (12-20-63).
- KULLA, JAMES P., Fellow in Microbiology, three months from January 1, 1964, \$500 (1-6-64).

- MCCORD, MARILYN, Fellow in Philosophy, February 1-June 15, 1964, \$750; and two months from June 16, 1964, \$375 (1-24-64).
- MCVINNIE, WILLIAM W., Fellow in Civil Engineering, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375, supersedes (12-16-63).
- MENDELBLAT, FRANK I., United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from January 1, 1964, \$3,000 (12-20-63).
- MINSTER, JOHN J., United States Public Health Service Senior Clinical Trainee in Surgery, one year from July 1, 1964, without salary (1-3-64).
- NYKIEL, FLORIAN, United States Public Health Service Fellow (Trainee) in Otolaryngology, eight months from December 1, 1963, \$6,500 (1-2-64).
- PORTNEY, GERALD L., United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from January 1, 1964, \$1,500 (12-20-63).
- TABOR, NELL B., Grolier-Americana Fellow in Library Science, February 1-June 15, 1964, \$500 (12-31-63).
- TODOROVIC, RADMILO, United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, January 16-June 30, 1964, \$2,750 (12-31-63).
- WATSON, JOHN A., United States Public Health Service Fellow (Trainee) in Biological Chemistry, six months from January 1, 1964, \$1,150 (1-2-64).
- WEBER, CARL S., United States Public Health Service Predoctoral Fellow in Chemistry, one year from February 1, 1964, \$4,200 (1-24-64).
- WEIMER, RICHARD C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,642.50, supersedes (1-2-64).
- WEISGERBER, DAVID W., Fellow in Chemistry, February 1-June 15, 1964, \$900 (1-2-64).
- YOUNG, DONALD E., Texas Instruments Fellowship in Electrical Engineering, February 1-June 15, 1964, \$940 (12-6-63).

#### RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS

- ALI, IQBAL, Research Associate in Theoretical and Applied Mechanics—resignation effective March 1, 1964.
- ASHMORE, CONSTANCE M., Serials Cataloger in the Library, with rank of Instructor—declination effective September 1, 1963.
- ATKINS, GLADYS, United States Public Health Service Fellow in Physiology—termination effective January 1, 1964.
- BERGLUND, WINIFRED, Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1964—declination effective June 19, 1964.
- BHAN, SURAY, Research Associate in Metallurgy—cancellation effective February 1, 1964.
- BLUHM, ELAINE A., Assistant Professor of Anthropology—resignation effective September 1, 1964.
- BYRON, JANET L., Fellow in Linguistics—resignation effective February 1, 1964.
- CAHILL, PAUL F., Manager of Public Information (Chicago Undergraduate Division)—resignation effective March 1, 1964.
- CASTALDI, BASIL, Associate Professor of Educational Administration and Supervision—resignation effective March 1, 1964.
- CROPP, FREDERICK W., Assistant Dean of the College of Liberal Arts and Sciences and Assistant Professor of Geology—resignation effective September 1, 1964.
- CULBERTSON, DON S., Chief of Data Processing in the Library, with rank of Assistant Professor (Chicago Undergraduate Division)—resignation effective March 7, 1964.
- CURME, GREGORY L., Assistant Professor of Mathematics (Chicago Undergraduate Division)—declination effective January 1, 1963.
- DAVIS, LUCILLE H., Assistant in Nursing—declination effective September 1, 1963.
- FEINBERG, ARNOLD, Research Assistant in Civil Engineering—resignation effective February 1, 1964.
- FISCHER-WYBREGT, MRS. SUSANNE H., Research Associate in Pediatrics (Medicine)—resignation effective January 1, 1964.
- FLEGER, JAMES L., Research Associate in Dairy Science—resignation effective February 1, 1964.
- FRIEDLAND, JOAN M., United States Public Health Service Fellow (Trainee) in Biophysics—resignation effective February 1, 1964.

- GILMAN, ALICE, United States Public Health Service Fellow (Trainee) in Microbiology — resignation effective February 1, 1964.
- GREENLEE, MRS. NANCY A., Assistant in Education — resignation effective February 1, 1964.
- HEFTTEL, DANIEL L., Instructor in Psychology and Counselor in the Student Counseling Service (Chicago Undergraduate Division) — declination effective September 1, 1963.
- JANES, ROBERT W., Associate Professor of Sociology — resignation effective March 1, 1964.
- JONES, ROBERT M., Instructor in Theoretical and Applied Mechanics — resignation effective March 1, 1964.
- KAUFFMAN, WILLIS C., Associate Professor of Home Economics, Summer Session of 1964 — declination effective June 15, 1964.
- KOZLOWSKI, HELEN S., Psychometrist in the Student Counseling Service and Assistant in Psychology (Chicago Undergraduate Division) — declination effective September 1, 1963.
- KUEHN, ELAINE M., Fellow in History — resignation effective February 1, 1964.
- LANGSJOEN, RALPH J., Assistant Professor of Hygiene and Staff Physician in the Health Center and McKinley Hospital — declination effective February 1, 1964.
- LITTLE, ELLIS B., Associate Professor in the Division of Biological Sciences (Chicago Undergraduate Division), Summer Session of 1964 — declination effective June 19, 1964.
- LOFTUS, MRS. BEVERLY G., Assistant Editor in the Graduate College — resignation effective February 1, 1964.
- LONG, CHARLES A., Instructor in Zoology, Summer Session of 1964 — declination effective June 15, 1964.
- MARTIN, NANCY L., Instructor in Nursing — declination effective September 1, 1963.
- McFATE, PATRICIA A., Instructor in English (Chicago Undergraduate Division) — resignation effective March 1, 1964.
- McGURK, DONALD J., Fellow in Chemistry — resignation effective February 1, 1964.
- MILLER, DWIGHT C., Associate Professor of Art — resignation effective September 1, 1964.
- PENNIMAN, MRS. MARIAN V., Research Associate in the Institute for Research on Exceptional Children — resignation effective February 1, 1964.
- PENROD, DARRELL D., Instructor in Theoretical and Applied Mechanics — resignation effective March 1, 1964.
- PLACEK, MRS. CYNTHIA B., Assistant Editor in Veterinary Medicine Administration — resignation effective March 18, 1964 at the close of business.
- RAIN, DON W., National Science Foundation Graduate Fellow in Electrical Engineering — resignation effective February 1, 1964.
- ROWLANDS, MRS. MARY R., Research Assistant in the School of Life Sciences — resignation effective December 15, 1963.
- SANDERS, CHARLES W., Associate Professor of Art — resignation effective September 1, 1964.
- SHERMAN, MICHAEL A., Instructor in Physical Education for Men, Summer Session of 1964 — resignation effective June 15, 1964.
- SNITMAN, MAURICE F., Clinical Associate Professor of Otolaryngology (Medicine) — resignation effective January 1, 1964.
- STEIN, HERBERT J., Research Associate in the Coordinated Science Laboratory and Instructor in Electrical Engineering — resignation effective March 1, 1964.
- STITZEL, ROBERT D., Instructor in Dentistry (Dentistry) — resignation effective January 9, 1964.
- TAUB, ABRAHAM H., Research Professor of Applied Mathematics and Head of the Digital Computer Laboratory — resignation effective March 1, 1964.
- TAUBMAN, JOANNE H., Clinical Instructor in Medicine (Medicine) — resignation effective January 13, 1964.
- TILLMAN, ALBERT C., Instructor in English, Summer Session of 1964 — declination effective June 15, 1964.
- TUCKMAN, IRWIN E., Assistant in Electrical Engineering, Summer Session of 1964 — declination effective June 15, 1964.
- VANDEMARK, NOLAND L., Professor of Physiology (Dairy Science) (C and S) — resignation effective February 1, 1964.

- VERGIN, MARCIA A., United States Public Health Service Fellow (Trainee) in Chemistry — resignation effective February 1, 1964.
- VERSLUIS, DONALD G., Assistant in the Institute of Aviation — resignation effective January 1, 1964.
- VORBECK, JOSEPH F., Instructor in the Institute of Aviation — resignation effective February 1, 1964.
- WARREN, CHARLES P., Instructor in Anthropology (Chicago Undergraduate Division), Summer Session of 1964 — declination effective June 19, 1964.
- WATTS, MRS. EMILY S., Instructor in English — resignation effective March 1, 1964.
- WEBER, FRANK E., Fellow in Food Science — resignation effective February 1, 1964.
- WESTMEYER, PAUL, Associate Professor of Secondary and Continuing Education — resignation effective September 1, 1964.

#### LEAVES OF ABSENCE

- BLUHM, ELAINE A., Assistant Professor of Anthropology — leave of absence, without pay, for the second semester of the current academic year, 1963-64.
- FARA, HARRY, Research Associate in Mining Engineering (College of Engineering) — leave of absence, without pay, for one month from December 1, 1963.
- FRYE, M. VIRGINIA, Instructor in Recreation (College of Physical Education) — leave of absence, without pay, for the second semester of 1963-64, so that she may devote full time to doing graduate study during that period.
- HOLMES, MRS. JULIA O., Professor of Nutrition (Home Economics), in the College of Agriculture and in the Agricultural Experiment Station — disability leave of absence with full pay for six months from November 11, 1963; and leave of absence without pay thereafter until further notice.
- KETCHUM, PIERCE W., Professor of Mathematics — leave of absence, without pay, during the second semester of the current year, 1963-64.
- KIRK, SAMUEL A., Director of the Institute for Research on Exceptional Children, Professor of Psychology, Professor of Special Education and Chairman of the Department — leave of absence, without pay, for the period February 1 through June 30, 1964, so that he may accept a temporary assignment as Director of the Division of Handicapped Children and Youth in the United States Office of Education.
- SAMPSON, JOAN M., Champaign County Home Adviser, in the Cooperative Extension Service in Agriculture and Home Economics — leave of absence for six months from August 1, 1964 with full pay, and for three months from February 1, 1965, without pay.
- WILL, FREDERICK L., Professor of Philosophy — leave of absence, without pay, for one year beginning September 1, 1964, so that he may accept an offer from Cornell University to serve as a Visiting Professor of Philosophy there.

#### CANCELLATION OF SABBATICAL LEAVE OF ABSENCE

- SIMMONS, RALPH O., Associate Professor of Physics, in the College of Engineering — sabbatical leave of absence, with full pay, for the second semester of 1963-64, is hereby cancelled.

#### EXECUTIVE SESSION

On motion of Mr. Williamson, an executive session was ordered for consideration of the following items of business.

#### PURCHASE OF PROPERTY AT 1210 WEST CALIFORNIA AVENUE. URBANA

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees request the Illinois Building Authority to purchase for the University the property at 1210 West California Avenue, Urbana, at a price not to exceed \$100,000, in accordance with the Illinois Building Authority Act.

The property consists of a lot approximately 78.5 feet wide by 184 feet (14,522 square feet) deep and is improved with a three-story and basement brick apartment building with ten apartment units. The land area is adjacent to the new Morrill Hall and will ultimately be used for expansion of the biological sciences complex. Until the land is needed for building construction, the property can be used for temporary offices plus parking.

The price is within appraisals and has been reviewed with and approved by the Committee on Buildings and Grounds.

Possession will be delivered not later than September 1, 1964.

I concur.

On motion of Mr. Pogue, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

#### **PURCHASE OF PROPERTY AT 1105 WEST SPRINGFIELD AVENUE, URBANA**

(2) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 1105 West Springfield Avenue, Urbana, needed for the next unit of the Coordinated Science Laboratory, at a price of \$23,000, and the assignment of \$23,000 from funds received as reimbursement for indirect costs on Coordinated Science Laboratory contracts (Indirect Costs General).

The Board of Trustees on September 18, 1963, authorized condemnation proceedings for acquisition of the property. However, through subsequent negotiations, the owner has agreed to accept \$23,000 which is within the limit previously approved by the Committee on Buildings and Grounds, with the understanding that the owner will give possession of the land required for construction on or before April 1, 1964, and will give possession of the house and garage on or before September 1, 1964.

I recommend authorization of this purchase and assignment of funds, and further recommend that the Board rescind its resolution of September 18, 1963, with respect to condemnation proceedings for acquisition of the property.

I concur.

On motion of Mr. Pogue, the purchase of this property on the terms indicated and the requested assignment of funds were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

#### **SETTLEMENT OF CONDEMNATION SUIT FOR PROPERTY AT 1103 WEST SPRINGFIELD AVENUE, URBANA**

(3) On June 19, 1963, the Board of Trustees authorized condemnation proceedings for the acquisition of the property at 1103 West Springfield Avenue, Urbana, and a condemnation suit was subsequently filed in the Circuit Court of Champaign County (Case No. 63-L-319).

Immediately prior to the selection of the jury, the owners indicated a willingness to accept \$29,500 for the property, which is \$700 above the price previously approved by the Committee on Buildings and Grounds for acquisition by negotiation, and to deliver possession to the University on or before April 1, 1964, subject to the right to remove the conversion unit in the furnace, kitchen cabinets, and bathroom fixtures prior to that date.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend acceptance of the settlement offer and the assignment of \$29,500 from funds received as reimbursement for indirect costs on Coordinated Science Laboratory contracts (Indirect Costs General).

I concur.

On motion of Mr. Pogue, this recommendation and the assignment of funds were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

**SETTLEMENT OF CONDEMNATION SUIT FOR PROPERTY  
AT 1103½ WEST SPRINGFIELD AVENUE, URBANA**

(4) On June 19, 1963, the Board of Trustees authorized condemnation proceedings for the acquisition of the property at 1103½ West Springfield Avenue, Urbana, and a condemnation suit was subsequently filed in the Circuit Court of Champaign County (Case No. 63-L-324).

Immediately prior to the selection of the jury, the owners indicated a willingness to accept \$17,500 for the property, the price previously approved by the Committee on Buildings and Grounds for acquisition by negotiation, and to deliver possession to the University on or before April 1, 1964, subject to the right to remove the house prior to that date. Since the house will have to be removed prior to construction, this provision in the purchase contract will be to the University's advantage.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend acceptance of the settlement offer and the assignment of \$17,500 from funds received as reimbursement for indirect costs on Coordinated Science Laboratory contracts (Indirect Costs General).

I concur.

On motion of Mr. Johnston, this recommendation and the assignment of funds were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

**SETTLEMENT OF CONDEMNATION SUIT FOR PROPERTY  
AT 1303 WEST STOUGHTON STREET, URBANA**

(5) On June 19, 1963, the Board of Trustees authorized condemnation proceedings for the acquisition of the property at 1303 West Stoughton Street, Urbana, and a condemnation suit was subsequently filed in the Circuit Court of Champaign County (Case No. 63-L-325). Immediately prior to the selection of the jury, the owners indicated a willingness to accept \$17,300 for the property, which is \$50 above the price previously approved by the Committee on Buildings and Grounds for acquisition by negotiation, and to deliver possession to the University on or before March 15, 1964.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend acceptance of the settlement offer.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

**SETTLEMENT OF CONDEMNATION SUIT FOR PROPERTY  
AT 1304 WEST STOUGHTON STREET, URBANA**

(6) On June 19, 1963, the Board of Trustees authorized condemnation proceedings for the acquisition of the property at 1304 West Stoughton Street, Urbana, and a condemnation suit was subsequently filed in the Circuit Court of Champaign County (Case No. 63-L-320). Immediately prior to the selection of the jury, the owners indicated a willingness to accept \$24,700 for the property, the same price previously approved by the Committee on Buildings and Grounds for acquisition by negotiation, and to deliver possession to the University on or before March 15, 1964, subject to the right to remove the furnace, storm windows and plumbing fixtures prior to that date.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend acceptance of the settlement offer.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Johnston, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

**SETTLEMENT OF CONDEMNATION SUIT FOR PROPERTY  
AT 1306 WEST STOUGHTON STREET, URBANA**

(7) On May 15, 1963, the Board of Trustees authorized condemnation proceedings for the acquisition of the property at 1306 West Stoughton Street, Urbana, and a condemnation suit was subsequently filed in the Circuit Court of Champaign County (Case No. 63-L-323). Immediately prior to the selection of the jury, the owners indicated a willingness to accept \$25,300 for the property, the same price previously approved by the Committee on Buildings and Grounds for acquisition by negotiation, and to deliver possession to the University on or before March 15, 1964.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend acceptance of the settlement offer.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

**ACQUISITION OF THE PROPERTY AT 1306 WEST SPRINGFIELD  
AVENUE, URBANA**

(8) The Board of Trustees has authorized condemnation proceedings for acquisition of the property at 1306 West Springfield Avenue, Urbana.

The Legal Counsel on January 15, 1964, reported to the Committee on Buildings and Grounds the willingness of the trustee-owner to recommend to the beneficiaries of the trust that \$42,500 be accepted for the property if this price were offered by the University. The Committee voted to reject the proposal and the owner was so advised.

Condemnation proceedings were filed in the Circuit Court of Champaign County (Case No. 64-L-30). The trustee-owner now has formally submitted the same proposal as a compromise offer to settle the case without the necessity of completing the condemnation proceedings at a price of \$42,500 subject to entering into a contract on or about the first of March, 1964, and the right to retain position through June 30, 1964.

This price is in excess of the amount previously approved by the Committee on Buildings and Grounds for acquisition by negotiation and is approximately \$9,000 above the median appraisal received.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that this settlement offer be rejected and that acquisition by condemnation be completed.

I concur.

On motion of Mr. Williamson, the Board voted to reject the settlement offer.

**ADDITIONAL LAND FOR CONGRESS CIRCLE**

(9) The University's present contract with the city of Chicago, Department of Urban Renewal, for acquisition of land for the Congress Circle Campus does not include the block bounded by the Dan Ryan Expressway, Roosevelt Road, Halsted and Grenshaw Streets, although the City has included that area in its redevelopment plan. There are eleven parcels of property in this block, including the Central National Bank and the Twelfth Street Department Store. The entire block is available for acquisition and it is desirable that the University purchase the additional land now.

As a result of negotiations with the Department of Urban Renewal, the City has agreed to sell to the University the entire block for \$700,000 and to raze all

buildings with the exception of the Central National Bank Building which is relatively new and modern.

Funds are available in the state capital appropriations to the University for the Universities Building Fund for this purchase.

If this additional land is acquired, it is proposed that the Central National Bank Building be retained and remodeled to provide temporary student union facilities — such as lounge areas, food service, and bookstore — pending completion of a new student union, and subsequently for general storage and temporary staff office facilities for a period not to exceed ten years.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of an amendment of the University's contract with the city of Chicago for the acquisition of land for the Congress Circle Campus to provide for the purchase of the additional block indicated at a price of \$700,000. The Committee on Buildings and Grounds has previously been consulted and supports this recommendation. The sale price has been approved by the Federal Urban Renewal Administration.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

#### **PURCHASE OF PROPERTY AT 1109 WEST SPRINGFIELD AVENUE. URBANA**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the property at 1109 West Springfield Avenue, Urbana, at a price of \$29,210, the owner to retain possession to July 1, 1964, and to have the right to remove the furnace on or before delivery of title to the University.

The property is a lot 56½ feet by 132 feet and is improved with a two-story frame dwelling. The land area is needed as part of the site for the expansion of the Coordinated Science Laboratory.

The price is within the range of appraisals previously approved by the Committee on Buildings and Grounds for a negotiated purchase.

Funds are available from indirect costs received as reimbursement on Coordinated Science Laboratory contracts and from general indirect costs reimbursements. An assignment of funds from these sources is also recommended.

I concur in these recommendations.

On motion of Mr. Hughes, these recommendations were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

#### **TERMINATION OF EMPLOYMENT OF RESIDENT AT RESEARCH AND EDUCATIONAL HOSPITALS**

(11) On December 27, 1963, the Medical Director of the Research and Educational Hospitals terminated the employment of Dr. Arthur I. Broder as a full-time resident at the Research and Educational Hospitals on the basis of his admitted violation of regulations prohibiting private practice and his subsequent falsification to the head of his department concerning his participation therein. The Medical Director's action was taken after notice and hearing given to the individual, who thereafter delivered written notification to the Vice-President for the Medical Center that an appeal was desired and requested a hearing before the Board of Trustees. The individual has been advised that his request would be treated as a petition addressed to the discretion of the Board to grant a review of his case and I now present the same for that purpose.

The Medical Director's action in terminating the employment was taken upon the recommendation of each of the Head of the Department of Otolaryngology (to which the resident had been assigned), the Administrative Council of that Department, the Hospital Council, and the Executive Committee of the Research and Educational Hospitals. The Vice-President for the Medical Center has reviewed the matter and does not recommend modification of the action taken by the Medical Director.



The employment of residents at the Research and Educational Hospitals is considered to be an administrative function delegated to the Medical Director. In the case before you there is no dispute regarding the facts, the individual having admitted the charges of participating in an operation at a private hospital and subsequently falsely denying to the Head of the Department of Otolaryngology that he had done so. His principal contention has been throughout that the sanction imposed in terminating his employment in the last year of his residency is unnecessarily severe. The action taken by the Medical Director followed the recommendation not only of the department directly involved but also of the entire administrative organization of the Research and Educational Hospitals. The Vice-President in charge of the Medical Center campus has supported the termination.

Mindful of the appraisals and recommendations noted above, and mindful that even should one dissent from the decision of the Department Head and the Director of the Hospitals, these officers could not properly, under present rules, be directed to take a course of action against their professional judgment.

I recommend that the Board decline to exercise its discretion to review this case.

On motion of Mrs. Watkins, the Board voted to decline to exercise its discretion to review this case.

On motion of Mr. Williamson, the Board adjourned.

Following adjournment, Professors E. C. Jordan, Head of the Department of Electrical Engineering, Wendell E. Miller, Associate Head, George E. Anner, Willis L. Emery, and Director Ross J. Martin of the Engineering Experiment Station, were guests of the Board at luncheon. Professor Jordan and Director Martin addressed the Board, discussing the growth of the Department of Electrical Engineering since World War II and some of the research programs now under way. Following the luncheon, the Trustees visited the Electrical Engineering Building Addition and the Gaseous Electronics Laboratory.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**March 18, 1964**



The annual meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Wednesday, March 18, 1964, beginning at 10:30 a.m. The date of this meeting had been changed by vote of the Board from the second Tuesday, March 10, to the third Wednesday, March 18.

President Howard W. Clement called the meeting to order and asked the Secretary to call the roll. The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Theodore A. Jones, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins. Governor Otto Kerner and Mr. Kenney E. Williamson were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Dean Jack W. Peltason of the College of Liberal Arts and Sciences and Former Acting Provost, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Dr. Shannon McCune, Consultant to the President and to the Executive Vice-President and Provost, Mr. Earl W. Porter, Assistant to the President (Reports and Projects), Mr. Vernon L. Kretschmer, Director of Auxiliary Services, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

**ELECTION OF OFFICERS**

The Board took up the special order of business for the annual meeting and Mr. Clement called for the election of officers.

**President of the Board**

Mr. Johnston nominated Mr. Clement; Mr. Pogue seconded the nomination.

Mr. Clement asked the Board to elect a temporary chairman for this election.

On motion of Mr. Johnston, Mr. Page was elected Chairman, *Pro Tempore*, by acclamation and took the chair.

On motion of Mr. Pogue, the nominations were closed and the Secretary was ordered to record the unanimous ballot of the Board for the election of Mr. Howard W. Clement as President. The ballot was so cast, and Mr. Clement was declared elected as President of the Board, to serve until the next annual meeting of the Board in March, 1965, or until his successor shall have been elected.

He took the chair and addressed the Board briefly, summarizing the issues which have confronted the Board and the developments of University programs to which the Board has been a party since he was first elected as President of the Board in 1962.

**Secretary of the Board**

Mr. Swain nominated Mr. A. J. Janata; Mrs. Watkins seconded the nomination.

On motion of Mrs. Watkins, the nominations were closed, and Mr. Janata was declared elected Secretary of the Board, to serve until the next annual meeting of the Board in March, 1965, or until his successor shall have been elected.

**Comptroller of the Board**

Mr. Pogue nominated Mr. H. O. Farber; Mr. Swain seconded the nomination.

On motion of Mr. Swain, the Secretary was instructed to record the unanimous ballot of the Board for the election of Mr. Farber as Comptroller. The ballot was so cast and Mr. Farber was declared elected Comptroller, to serve until the next annual meeting of the Board in March, 1965, or until his successor shall have been elected.

**Executive Committee**

Mr. Pogue nominated Mr. Wayne A. Johnston and Mrs. Frances B. Watkins to serve as members of the Executive Committee, with the President of the Board as Chairman; Mr. Swain seconded the nominations.

On motion of Mr. Swain, the nominations were closed and the Secretary was instructed to record the unanimous ballot of the Board for the elections of Mr. Johnston and Mrs. Watkins to the Executive Committee. The ballot was so cast and Mr. Johnston and Mrs. Watkins were declared elected members of the Executive Committee, to serve until the next annual meeting of the Board in March, 1965, or until their successors shall have been elected.

### DELEGATION OF SIGNATURES

Mr. Johnston offered the following resolution and moved its adoption:

*Resolved*, that the President and the Secretary of the Board of Trustees of the University of Illinois are authorized to delegate the signing of their names as President and Secretary, respectively, to vouchers to be presented to the Auditor of Public Accounts, and to warrants drawn on the Treasurer of the University, under the following conditions.

The President of the Board of Trustees is authorized to delegate to L. M. Dahlenburg, to R. N. Parker, and to E. M. Snyder in Urbana, to J. E. Osborn, to W. E. Cowart, and to H. O. Albers in Chicago, and to Edward F. Lis and to Helen Culbertson in Springfield, authority to sign his name as President of the Board of Trustees to vouchers against the Auditor of Public Accounts; and to C. C. De Long, to R. W. Zimmer, and to R. F. Wood in Urbana, and to J. E. Osborn, to W. E. Cowart, and to H. O. Albers in Chicago, authority to sign his name to warrants on the University Treasurer covering vouchers approved in accordance with regulations approved by the Board.

The Secretary of the Board of Trustees is authorized to delegate to Virginia J. Hendrix, to Catherine Cacioppo, to Earl W. Porter, to George H. Bargh, and to Everett G. Smith in Urbana; and to G. R. Moon, to Velma M. Davis, to Helen Wyle, to Margaret Mayer, and to Mrs. Antoinette Gyorke in Chicago, authority to sign his name as Secretary of the Board of Trustees to vouchers against the Auditor of Public Accounts and to warrants on the University Treasurer, covering vouchers approved in accordance with regulations of the Board. The Secretary of the Board of Trustees is also authorized to delegate to Addalein C. Hawk and to Lean C. Ryan in Springfield, authority to sign his name as Secretary of the Board of Trustees on vouchers against the Auditor of Public Accounts approved in accordance with the regulations of the Board. These authorizations are to continue in effect until the Auditor of Public Accounts has been supplied with specimen signatures of succeeding officers of this Board. And be it further

*Resolved*, that the First National Bank of Chicago as a designated depository of R. R. Manchester, Treasurer of this corporation, be and it (including its correspondent banks) is hereby requested, authorized, and directed to honor checks, drafts, or other orders for the payment of money drawn in this corporation's name, including those drawn to the individual order of any person or persons whose name or names appear thereon as signer or signers thereof, when bearing or purporting to bear the facsimile signatures of the two following: Howard W. Clement, President, and A. J. Janata, Secretary; and the First National Bank of Chicago (including its correspondent banks) shall be entitled to honor and to charge this corporation for all such checks, drafts, or other orders, regardless of by whom or by what means the facsimile signature or signatures thereon may have been affixed thereto, if such facsimile signature or signatures resemble the facsimile specimens duly certified to or filed with the First National Bank of Chicago by the Secretary or other officer of this corporation. And be it further

*Resolved*, that the Auditor of Public Accounts is hereby authorized and directed to honor vouchers bearing facsimile signatures of the President and the Secretary of the Board of Trustees of the University of Illinois if such facsimile signatures resemble the facsimile specimens duly certified to or filed with the Auditor of Public Accounts by the Secretary.

The resolution was unanimously adopted.

### STANDING COMMITTEES FOR 1964-65

The President of the Board appointed the following standing committees to serve during the year 1964-65, or until their successors have been appointed following the annual meeting of the Board of Trustees in March, 1965.

The President of the University is a member, *ex officio*, of all standing committees.

#### *Agriculture*

EARL M. HUGHES, Chairman  
WAYNE A. JOHNSTON  
HAROLD POGUE

#### *Alumni*

THEODORE A. JONES, Chairman  
EARL M. HUGHES  
MRS. FRANCES B. WATKINS

#### *Athletic Activities*

HAROLD POGUE, Chairman  
IRVING DILLIARD  
MRS. FRANCES B. WATKINS

#### *Buildings and Grounds*

HAROLD POGUE, Chairman  
IRVING DILLIARD  
EARL M. HUGHES  
WAYNE A. JOHNSTON  
TIMOTHY W. SWAIN  
KENNEY E. WILLIAMSON

#### *Chicago Departments*

MRS. FRANCES B. WATKINS, Chairman  
WAYNE A. JOHNSTON  
THEODORE A. JONES

#### *Finance*

KENNEY E. WILLIAMSON, Chairman  
THEODORE A. JONES  
TIMOTHY W. SWAIN

#### *General Policy*

WAYNE A. JOHNSTON, Chairman  
THEODORE A. JONES  
HAROLD POGUE  
TIMOTHY W. SWAIN  
MRS. FRANCES B. WATKINS  
KENNEY E. WILLIAMSON

#### *Nonacademic Personnel*

Also representatives on the  
Civil Service Merit Board  
TIMOTHY W. SWAIN, Chairman  
EARL M. HUGHES  
HAROLD POGUE

#### *Patents*

TIMOTHY W. SWAIN, Chairman  
IRVING DILLIARD  
THEODORE A. JONES

#### *Student Welfare and Activities*

IRVING DILLIARD, Chairman  
THEODORE A. JONES  
MRS. FRANCES B. WATKINS

#### *State Universities Retirement System Representatives*

EARL M. HUGHES  
HAROLD POGUE  
KENNEY E. WILLIAMSON

#### *State Board of Higher Education Representatives*

HOWARD W. CLEMENT  
WAYNE A. JOHNSTON

### MASTER PLAN FOR HIGHER EDUCATION IN ILLINOIS

Mr. Johnston offered the following resolution and moved its adoption:

The action of the Board of Higher Education on March 3, 1964, in approving a provisional Master Plan for Higher Education in Illinois is hereby endorsed by the Board of Trustees of the University of Illinois. This Board and the officers of the University have long urged that comprehensive planning for higher education in Illinois be undertaken on a professional basis.

The provisional plan is undergoing revision, at the direction of the Board of Higher Education, and the Trustees do not have the precise language of the revised plan and its official interpretation before them. However, it is the view of the Board of Trustees that the basic recommendations are consistent with the history of higher education in this state and with the main lines of professional opinion on the problems of higher education.

The main items of the provisional plan take into account the existing strengths of the institutions and provide flexible machinery for growth with effective planning and coordination. Moreover, the premises and guidelines are sound and the definition of the tasks incisive and accurate.

The construction inventory—including scope, costs, and priorities—requires further analysis; it appears to be inadequate for the tasks outlined. The estimates on operating costs are conservative. These reservations on the adequacy of the proposed financing, however, do not modify the essence of the plan and the

Board of Trustees commends the provisional recommendations to the attention of the people of the state.

This resolution was unanimously adopted.

#### BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

#### PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

#### AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded to the following candidates who passed the standard written examination given in November, 1963, and who have fulfilled all other legal requirements under Sections 1, 2, and 3 of the Illinois Accountancy Act of 1943 as amended.

CHARLES RICHARD BAERSON, Skokie, Illinois	HORN CHEN, Chicago, Illinois
ARCHIE JOSEPH BAKAY, Evanston, Illinois	CHARLES DELBERT CHRISTENSEN, JR., Chicago, Illinois
GERALD TODD BALL, DeKalb, Illinois	ROBERT STERLING CLOW, Naperville, Illinois
FREDERICK HENRY BALLUFF, JR., Broadview, Illinois	MARTIN DAVID COHEN, Lincolnwood, Illinois
JOSEPH WILLIAM BEARD, Chicago, Illinois	SIDNEY HENRY COHEN, Chicago, Illinois
ROGER LEIGHTON BECK, Chicago, Illinois	EDWARD JOHN COMAN, JR., Chicago, Illinois
JON LINN BEERMANN, Chicago, Illinois	JAMES SAMUEL COX, Park Forest, Illinois
ROBERT GEORGE DUNCAN BENNETT, Skokie, Illinois	DONALD EUGENE CRAFT, Rockford, Illinois
ISIDORO BERKMAN, Chicago, Illinois	DAVID BRUCE DAHL, Skokie, Illinois
DONALD HUGH BERNSTEIN, Chicago, Illinois	WILLIAM JOSEPH DEKOKER, Rockford, Illinois
JAMES EDWIN BRANDS, Park Forest, Illinois	ROBERT JOSEPH DeLaCruz, Chicago, Illinois
LANDON JAY BRAZIER, Chicago, Illinois	WILLIAM ROBERT DeLANO, Park Ridge, Illinois
JOHN DeVERE BROCKHOUSE, Park Ridge, Illinois	DAVID LAWRENCE DeMotte, Villa Park, Illinois
JAMES BARRY BRODY, Chicago, Illinois	JOSEPH JOHN DEVEREUX, Chicago, Illinois
FRANK LAVERNE BROKAW, Skokie, Illinois	WILLIAM ROBERT DOUGLAS, Skokie, Illinois
ROBERT BORUCH BROMBERG, Chicago, Illinois	GILBERT DAVID DRUKER, Chicago, Illinois
MARGARET-MARY GORNY BUTSBACK, Chicago, Illinois	JOSEPH CHARLES DUBOW, Chicago, Illinois
RONALD JOSEPH CARLSON, Aurora, Illinois	DAVID WILLARD DUSENDSCHON, Danville, Illinois
RICHARD JOHN CARROLL, Chicago, Illinois	RICHARD JOHN EGAN, Northbrook, Illinois
THOMAS STEPHEN CARROLL, Chicago, Illinois	MAURICE MONTE EGERT, Chicago, Illinois
PAUL BENTON CARTER, Park Forest, Illinois	RUDOLPH PATRICK ENGSTROM, Villa Park, Illinois
JERRY EDWIN CHANCELLOR, Chicago, Illinois	
LEON ROY CHEESBROUGH, Chicago, Illinois	

- THOMAS GEORGE ERRICO, Highland Park, Illinois  
 VICTOR MILES EVANS, Silvis, Illinois  
 LARRY DOUGLAS EWALD, Rochelle, Illinois  
 JERRY DAYNE FARR, Henry, Illinois  
 DAVID ALLEN FELTS, Villa Park, Illinois  
 DAVID ROBERT FELTS, Decatur, Illinois  
 YVON EVELYN FERMAZIN, St. Charles, Illinois  
 RICHARD MATTHEW FIGURA, Chicago, Illinois  
 KENNETH NORMAN FINFER, Chicago, Illinois  
 BRUCE HAROLD FOSSLER, Evanston, Illinois  
 RICHARD IVES FREMGEN, Wheaton, Illinois  
 DONALD CHARLES FREUND, Crystal Lake, Illinois  
 BARRY ALAN FRIEDMAN, Chicago, Illinois  
 MARTIN BERNARD FRIEDMAN, Des Plaines, Illinois  
 RONALD ALLEN FRIEDMAN, Chicago, Illinois  
 GERALD FRISHMAN, Chicago, Illinois  
 MARIBELLE GANNON, Chicago, Illinois  
 RAYMOND WALTER GARRIGAN, Chicago, Illinois  
 LAWRENCE GERBER, Chicago, Illinois  
 JAMES LOUIS GLASSCOCK, Park Ridge, Illinois  
 ALAN JOEL GLAZER, Chicago, Illinois  
 DAVID GLICKSTEIN, Chicago, Illinois  
 EARL DONALD GOLDENBERG, Chicago, Illinois  
 STUART RUSSELL GOLDSAND, Chicago, Illinois  
 ROGER EDWIN GORLICKI, Chicago, Illinois  
 PAUL JAMES GRIFFITHS, Palatine, Illinois  
 JOHN MILLER GROOM, Evanston, Illinois  
 RAYMOND MARTIN GROTHAUS, Chicago Heights, Illinois  
 EDWIN JOHN GUNLOCK, Chicago, Illinois  
 RONALD RAY GUTHOFF, Normal, Illinois  
 WAYNE WILLIAM HAACK, Cicero, Illinois  
 RAYMOND ALOYSIUS HAFERTEPE, Stone Park, Illinois  
 RICHARD JAMES HALL, Downers Grove, Illinois  
 GEOFFREY WILLIAM HANDS, Lake Forest, Illinois  
 RICHARD DEE HANKS, Decatur, Illinois  
 DAVID PAUL HARTMAN, Chicago, Illinois  
 SEAN JOSEPH HASTINGS, Chicago, Illinois  
 JOHN JAMES HAUGHEY, Chicago, Illinois  
 THOMAS EDWIN HAUPT, Chicago, Illinois  
 FRANK KENNETH HEAP, Evanston, Illinois  
 ALLEN ROY HOCHFELDER, Chicago, Illinois  
 PAUL HERMAN HOFFMEISTER, Chicago, Illinois  
 ARNOLD SHERWIN HORWICH, Skokie, Illinois  
 JAMES PAUL HUBER, Chicago, Illinois  
 JOSEPH FRANK HUGERY, Chicago, Illinois  
 LARRY DEAN INHELDER, Chicago, Illinois  
 WARREN ALLEN IRELAND, Hinsdale, Illinois  
 NORMAN LOUIS ISRAEL, Chicago, Illinois  
 JAMES KENT JEANBLANC, Franklin Grove, Illinois  
 ROBERT JOSEPH JIROVEC, Cleveland, Ohio  
 ALAN HARRY JOHNSON, Evanston, Illinois  
 MICHAEL IRVING KAPLAN, Chicago, Illinois  
 RICHARD LEE KEYSER, Champaign, Illinois  
 RONALD DEAN KINDWALL, Evanston, Illinois  
 HAROLD NORMAN KLOPMAN, Chicago, Illinois  
 JAMES BERNARD KNOLL, Park Forest, Illinois  
 ROBERT EDWIN KOLB, Riverside, Illinois  
 JAMES MITCHELL KOLTVEIT, Rock Island, Illinois  
 MARTIN JERRY KOZAK, Chicago, Illinois  
 DAVID CHARLES KRAKAUER, Highland Park, Illinois  
 PAUL FRIESTAD KRIES, Westchester, Illinois  
 RONALD DANIEL KUBACKI, Oak Park, Illinois  
 DENNIS WADE KUEBER, Homewood, Illinois  
 LAWRENCE FRANCIS KUNKLER, Villa Park, Illinois  
 JEFFREY MAYER KUZNITSKY, Chicago, Illinois  
 ROBERT JOSEPH LADECKY, Chicago, Illinois  
 DAVID LEE LANDSITTEL, Chicago, Illinois  
 GEORGE HENRY LANE, Chicago, Illinois  
 LYLE JOSEPH LAVEAU, Park Forest, Illinois

- THEODORE MAX LAWRENCE, Harrisburg, Illinois  
 JOHN BERNARD LECHNER, Chicago, Illinois  
 HENRY GERALD LEE, Springfield, Illinois  
 MILLER BENTON LEE, Mount Prospect, Illinois  
 BILLY LEE LEGG, Springfield, Illinois  
 HOWARD LEON, Chicago, Illinois  
 MARVIN IRA LEVINE, Chicago, Illinois  
 LESTER WALTER LINCKE, Riverdale, Illinois  
 JOANNE JOSEPHINE LIPINSKI, Chicago, Illinois  
 WILLIAM BURKE LIVEY, Morton, Illinois  
 EDWIN ARNOLD LOHMEIER, Chicago, Illinois  
 THOMAS JOSEPH LOOBEY, Lincoln, Illinois  
 DAVID JAMES LYONS, Chicago, Illinois  
 MARTIN LEO MADENBERG, Chicago, Illinois  
 DONALD EMERY MALCOM, Belleville, Illinois  
 NEAL ALAN MANCOFF, Chicago, Illinois  
 LAWRENCE MANELIS, Skokie, Illinois  
 RAYMOND PETER MARSCHAK, Chicago, Illinois  
 LESLIE ROBERT MARSHALLSAY, Rockford, Illinois  
 ROBERT LEO MARTI, Highland, Illinois  
 BRUCE WILLIAM MATSON, Roselle, Illinois  
 ROBERT LEE McADAMS, Chicago, Illinois  
 JOSEPH IGNATIUS McCABE, Jr., Chicago, Illinois  
 EDWARD STEPHEN MCGOWAN, Bloomington, Illinois  
 SHERMAN JAMES MILLER, Peoria, Illinois  
 JAMES CURT MINGLE, Pekin, Illinois  
 DONALD WARREN MOODY, Elmhurst, Illinois  
 JOSEPH FRANCIS MOONEY, Park Forest, Illinois  
 GEORGE NEWELL MORGAN, Elgin, Illinois  
 LOYD BARRY MORGAN, Chicago, Illinois  
 ALLEN RAY MORRIS, Park Forest, Illinois  
 LARRY DEAN MULCAHY, Evanston, Illinois  
 LOUIS GENE MUNIN, Chicago, Illinois  
 ENID NADER, Chicago, Illinois  
 CLARK MORROW NELSON, La Grange, Illinois  
 JAMES NEWELL O'CONNOR, Zion, Illinois  
 JOHN JOSEPH OWENS, Chicago, Illinois  
 MARTIN JAMES PALUGA, Chicago, Illinois  
 STANLEY HOWARD PANTOWICH, Chicago, Illinois  
 ROBERT JAMES PAUSIG, Rockford, Illinois  
 CARL LYLE PETERSON, Lombard, Illinois  
 THOMAS EDWARD PETERSON, Chicago, Illinois  
 MORTON B. PHILIP, Chicago, Illinois  
 JOHN ASHBEL PORTER, Bellwood, Illinois  
 WILLIAM CREGO PRESCOTT, Rockford, Illinois  
 RICHARD EDWARD PYBURN, Downers Grove, Illinois  
 RICHARD MALCOLM RADWAY, Chicago, Illinois  
 LAWRENCE SHERWIN REVSINE, Chicago, Illinois  
 DONALD LEO REYNOLDS, Jr., Evanston, Illinois  
 MADELINE JEANETTE ROBERTS, Chicago, Illinois  
 WILLIAM EDWARD ROBINSON, Franklin Park, Illinois  
 GORDON LEE ROSENBERGER, Chicago, Illinois  
 RICHARD JOSEPH ROTH, Olney, Illinois  
 JERALD LEON ROTHCHILD, Lincolnwood, Illinois  
 SANFORD RUBENS, Chicago, Illinois  
 JOHN LEE RUMSFIELD, Park Ridge, Illinois  
 TIMOTHY JOHN RYAN, Chicago, Illinois  
 EDWIN JOSEPH RYDEL, Chicago, Illinois  
 MANDEL TORY SCHENK, Chicago, Illinois  
 ERWIN JACOB SCHMIDT, Oak Park, Illinois  
 GARY JAY SCHWARTZ, Chicago, Illinois  
 ROY IRWIN SCHWARTZ, Chicago, Illinois  
 SAMUEL ALLEN SCHWARTZ, Chicago, Illinois  
 WILLIAM AUGUST JOHN SCHWARTZ, Chicago, Illinois  
 DAVID BRUCE SELIG, Chicago, Illinois  
 GERALD J. SENESCU, Chicago, Illinois  
 LESTER SHAPIRO, Chicago, Illinois  
 THOMAS JOSEPH SHEEHY, Chicago, Illinois  
 LLOYD EDWARD SHEFSKY, Chicago, Illinois  
 THOMAS ALBERT SKALITZKY, Oak Lawn, Illinois  
 JANET WOOD SKOGLUND, Lincolnwood, Illinois  
 WILLIAM KEITH SMUTNY, Chicago, Illinois  
 RICHARD RAY SNYDER, Oak Park, Illinois



JOSEPH HENRY SOBIESKI, Chicago, Illinois	JAMES JOSEPH WARD, Park Ridge, Illinois
RICHARD CHARLES SPINGOLA, Chicago, Illinois	RAYMOND MARION WEEKS, Aurora, Illinois
GUSTAV ALFRED STRASSBURGER, Chicago, Illinois	VAN EMAN WELLS, Mount Prospect, Illinois
EDWARD LEON STREIT, Crystal Lake, Illinois	IRVING WILLIAM WENDT, Chicago, Illinois
JOSEPH ROGER TARDIF, Berkeley, Illinois	MERRILL JOEL WERTHEIMER, Chicago, Illinois
STEPHEN MARTIN TAXE, Chicago, Illinois	DONALD DEAN WHITE, North Riverside, Illinois
JAMES ORRIN TEETER, Westchester, Illinois	JAMES WINIKATES, Chicago, Illinois
RICHARD DONALD TELKAMP, Lake Zurich, Illinois	HAROLD DON WIRTH, Peoria, Illinois
MELVIN GEORGE THOMAS, Chicago, Illinois	JOHN HUBERT WOLTER, Hinsdale, Illinois
IAN THOMSON, Evanston, Illinois	DALE EDWARD WRIGHT, Western Springs, Illinois
JOHN CULLEN TRUE, Chicago, Illinois	RICHARD EUGENE YANKE, SR., Elmhurst, Illinois
NEAL ROBERT TYSON, Chicago, Illinois	FRANK MORTIMER YOUNG, Oak Park, Illinois
TERRY DOUGLAS UDDENBERG, Chicago, Illinois	JAMES NICHOLAS ZALOUBEK, Downers Grove, Illinois
CHARLES WILLIAM VOIGTS, Joliet, Illinois	RICHARD HUEBNER ZEDER, Wilmette, Illinois
JOHN THOMAS WALSH, Chicago, Illinois	

The Committee on Accountancy also recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
RONALD JOSEPH HARLOW	New York, New York	New York
THOMAS ANDREW KINCANON	Centralia, Illinois	Virginia
GLEN RICHARD OSTDIK	Morton Grove, Illinois	Nebraska
GEORGE HALLETT SHELTON	Wilmette, Illinois	Louisiana
RUSSELL URQUHART	Wilmette, Illinois	New York

I concur.

On motion of Mr. Johnston, these certificates were awarded.

#### APPOINTMENTS TO THE BOARD OF DIRECTORS OF THE ATHLETIC ASSOCIATION

(2) Submitted herewith are nominations for appointments to the Board of Directors of the Athletic Association of the University of Illinois, to become effective as of today and to continue until the next annual meeting of the Board of Trustees of the University of Illinois in 1965, or until the successors of these Directors have been appointed.

#### Faculty

PAUL M. VAN ARSDELL, Professor and Head of the Department of Finance in the College of Commerce and Business Administration (reappointment; has served since 1961).

GEORGE W. WHITE, Professor and Head of the Department of Geology (reappointment; has served since 1962).

LESLIE A. BRYAN, Professor of Management and Director of the Institute of Aviation (reappointment; Director Bryan is also the University of Illinois Faculty Representative in the Western Intercollegiate Conference, and his appointment as a faculty representative on the Board of Directors of the Athletic Association is an ex officio assignment).

- H. S. STILLWELL, Professor and Head of the Department of Aeronautical and Astronautical Engineering (new appointment).

#### Alumni Association

- GEORGE R. CATLETT, Class of 1939; partner in the firm of Arthur Andersen and Company, Certified Public Accountants, 120 South LaSalle Street, Chicago (reappointment; Mr. Catlett has been serving on the Board since March, 1961).  
CHARLES C. DADANT, Class of 1941, Member of the firm of Dadant and Sons, Inc., Hamilton (reappointment; Mr. Dadant has been serving on the Board since March, 1963).  
CHARLES H. STOTZ, Class of 1939, Executive Secretary, West Suburban Young Men's Christian Association, La Grange (new appointment).

On motion of Mr. Pogue, these appointments were approved.

#### HONORARY DEGREES

- (3) The University Senates have recommended that honorary degrees be conferred upon the following and on the occasions indicated.

- ADLAI EWING STEVENSON, United States Representative to the United Nations, and former Governor of Illinois, the degree of Doctor of Humane Letters, to be conferred at the Honors Day Convocation on May 1, 1964, at which Ambassador Stevenson will give the Honors Day address.  
VIRGIL MELVIN HANCHER, President of the State University of Iowa, the degree of Doctor of Arts, to be conferred at the Commencement Exercises for graduates of the colleges at the Medical Center in Chicago on June 11, 1964, at which President Hancher will give the Commencement address.  
W. ALBERT NOYES, JR., Distinguished Professor of Chemistry, Retired, at the University of Rochester; former Head of the Department of Chemistry, former Dean of the Graduate School, and former Acting Dean of the College of Arts and Sciences at the University of Rochester; and now Professor at the University of Texas, the degree of Doctor of Science, to be conferred at the Commencement Exercises at Urbana-Champaign on June 13, 1964. Dr. Noyes will deliver the Commencement address on June 13. He is the son of the late Dr. William Albert Noyes, Sr., who was Head of the Department of Chemistry and Chemical Engineering from 1907-26.  
LUDWIG MIES VAN DER ROHE, distinguished architect, former Director of the School of Architecture at the Illinois Institute of Technology, now retired, the degree of Doctor of Fine Arts, to be conferred at the Commencement Exercises at Urbana-Champaign on June 13, 1964.

I concur in the recommendations of the Senates.

On motion of Mr. Dilliard, these degrees were authorized, as recommended.

#### APPOINTMENTS TO THE FACULTY

- (4) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. PAUL CHUNG, Assistant Professor of Prosthodontics, College of Dentistry, on two-fifths time, for six months from February 1, 1964, at a salary of \$2,200.
2. ROBERT O. CRUMMEY, Assistant Professor of History, beginning September 1, 1964, at an annual salary of \$7,400.
3. ANTHONY J. DIEKEMA, Assistant Dean of Admissions and Records, Medical Center, beginning August 1, 1964, at an annual salary of \$12,000.
4. ROBERT W. EDWARDS, Assistant Professor of Architecture, beginning March 1, 1964, at an annual salary of \$8,000.
5. MARGARET Y. GEORGE, Assistant Professor of Social Sciences, Chicago Undergraduate Division, for the second semester of 1963-64, at a salary of \$3,500.
6. EMILY S. GIRAULT, Assistant Professor of Secondary and Continuing Education, beginning September 1, 1964, at an annual salary of \$8,600.
7. WILLIAM J. GREEK, Clinical Assistant Professor of Public Health, College of Dentistry, beginning February 1, 1964, without salary.
8. J. FRANCIS HARTMANN, Research Professor of Neurobiology, College of Medicine, for one year from September 1, 1964, without salary.

9. HANS HENNECKE, Visiting Associate Professor of Germanic Languages, for the second semester of 1963-64, at a salary of \$5,000.
10. SOLOMON B. LEVINE, Professor of Labor and Industrial Relations, 45 per cent time, on indefinite tenure, and Director of the Asian Studies Program, 55 per cent time, from March 1, 1964, through August 31, 1965, at an annual salary of \$14,300. This appointment is a change in status to formalize his assignment as Director of the Asian Studies Program which he has been administering on a temporary basis since September 1, 1963.
11. WILLIAM A. LONGACRE II, Visiting Assistant Professor of Anthropology, for the second semester of 1963-64, at a salary of \$3,750.
12. ALUN O. MORRIS, Visiting Assistant Professor of Mathematics, for one year from September 1, 1964, at an annual salary of \$8,500.
13. JOSEPH P. MURTHA, Associate Professor of Civil Engineering, on one-half time, and Director of the Water Resources Center, Graduate College, on one-half time, beginning March 1, 1964, at an annual salary of \$10,200. This appointment is a change in status to include his assignment as Director of the Water Resources Center in the Graduate College, recently established by the Board of Trustees.
14. JOHN A. TESK, Assistant Professor of Engineering Sciences, Chicago Undergraduate Division, beginning February 1, 1964, at an annual salary of \$8,250.
15. WILMOT A. THORNTON, Assistant Professor of Zoonotic Ecology, Department of Veterinary Pathology and Hygiene, and Associate Member of the Center for Zoonoses Research, beginning May 15, 1964, at an annual salary of \$10,500.
16. COLIN G. WEBB, Assistant Extension Editor with rank of Assistant Professor, College of Agriculture, Agricultural Experiment Station, and Cooperative Extension Service in Agriculture and Home Economics, for one year from March 1, 1964, at a salary of \$10,000.

On motion of Mr. Hughes, these appointments were confirmed.

#### DEANSHIP OF THE COLLEGE OF LIBERAL ARTS AND SCIENCES

(5) On nomination of a special committee<sup>1</sup> appointed for this purpose, and after consultation with the Executive Committee of the College of Liberal Arts and Sciences, I recommend the appointment of Dr. Robert W. Rogers, Professor and Head of the Department of English, as Professor of English on indefinite tenure and Dean of the College of Liberal Arts and Sciences beginning July 1, 1964, at an annual salary of \$23,500 on a twelve-month service basis. The appointment as Dean will be from July 1, 1964, through August 31, 1965, which is consistent with the statutory provisions of biennial tenure of deans, such appointments usually coinciding with the fiscal biennium.

The Executive Vice-President and Provost and the Acting Dean of the Graduate College support this recommendation.

On motion of Mr. Swain, this appointment was approved.

#### DEANSHIP OF COLLEGE OF EDUCATION

(6) Following consultations with a search committee<sup>2</sup> appointed to make recommendations of candidates for the position of Dean of the College of Education and with the Executive Committee of the College, I recommend the appointment of Dr. Rupert N. Evans, presently Professor of Vocational and Technical Education and Associate Dean of the College, as Dean of the College of Education beginning September 1, 1964, at an annual salary of \$20,000 on a twelve-month service basis.

Dr. Evans will continue to hold the rank of Professor on indefinite tenure. The appointment as Dean is for one year from September 1, 1964; and thereafter

<sup>1</sup> Professors Max H. Fisch, Department of Philosophy, Chairman; Edward H. Davidson, Department of English; Ralph T. Fisher, Jr., Department of History; Donald R. Hodgman, Department of Economics; Herbert A. Laitinen, Department of Chemistry and Chemical Engineering; and John R. Laughnan, Department of Botany.

<sup>2</sup> Professors J. Thomas Hastings, Department of Educational Psychology and Office of Educational Testing, Chairman; R. Will Burnett, Department of Secondary and Continuing Education; Lloyd G. Humphreys, Department of Psychology; John E. McGill, Department of Elementary Education; Joseph B. Casagrande, Department of Anthropology; and B. Othanel Smith, Bureau of Educational Research.

subsequent appointments as Dean will be for two-year periods consistent with the standard, statutory biennial tenure for college deans.

The appointment of Professor Evans will fill the vacancy which will be created by the retirement of Dean Alonzo G. Grace at the end of the current academic year.

The Executive Vice-President and Provost and the Acting Dean of the Graduate College concur in this recommendation.

On motion of Mr. Page, this appointment was approved.

#### HEADSHIP OF THE DEPARTMENT OF SLAVIC LANGUAGES AND LITERATURES

(7) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Dr. Lew R. Micklesen, presently Visiting Professor at the University of Colorado, as Professor on indefinite tenure and Head of the Department of Slavic Languages and Literatures beginning September 1, 1964, at an annual salary of \$17,000.

This appointment will fill the vacancy created by the resignation of Professor R. E. Matlaw, and is submitted after consultation with all appropriate members of the faculty of the Department. It is concurred in by the Acting Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Johnston, this appointment was approved.

#### HEADSHIP OF THE DEPARTMENT OF PHILOSOPHY AT THE CHICAGO UNDERGRADUATE DIVISION

(8) The Dean of the College of Liberal Arts and Sciences at the Chicago Undergraduate Division and the Vice-President for the Division recommend the appointment of Dr. (Mrs.) Ruth B. Marcus, presently a National Science Foundation Fellow (on leave of absence as Associate Professor at Roosevelt University), as Professor of Philosophy on indefinite tenure and Head of the Department of Philosophy at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of \$15,000 on a nine-month (academic year) service basis.

This appointment is unanimously recommended by a special search committee<sup>1</sup> and is submitted after consultation with appropriate members of the Department. The Executive Vice-President and Provost and the Acting Dean of the Graduate College concur.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

#### CHAIRMANSHIP OF THE DEPARTMENT OF ARCHITECTURE AT THE CHICAGO UNDERGRADUATE DIVISION

(9) The Dean of the College of Architecture and Art and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Donald D. Hanson, presently Associate Professor in the Department of Architecture at Urbana, as Associate Professor of Architecture on indefinite tenure and Chairman of the Department of Architecture at the Chicago Undergraduate Division for one year, beginning September 1, 1964, at an annual salary of \$13,100 for services during each academic year.

This appointment will fill the vacancy created by the retirement of Professor H. B. McEldowney, Head of the Department and Assistant Dean of the College, at the end of the second semester. The recommendation is submitted after consultation with the appropriate members of the faculty of the Department of Architecture and is concurred in by the Acting Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.

<sup>1</sup> Stanley L. Jones, Professor of History; Kenneth M. Madison, Professor of Biology; Mrs. Sandra L. Bartky, Instructor in Philosophy; all at the Chicago Undergraduate Division; and Bernard J. Diggs, Professor and Chairman of the Department of Philosophy at Urbana.

**SABBATICAL LEAVES OF ABSENCE. 1964-65**

(10) I recommend that the following members of the staff be given sabbatical leaves of absence during the academic year 1964-65 in accordance with the provisions of the University of Illinois Statutes and on the terms and for the periods indicated.

In accordance with the established procedure, the programs of research, study, and travel for which leaves are requested have been examined by the University Research Board, which advises the President in such matters, and by the Executive Vice-President and Provost, who concurs.

**College of Agriculture***Administration*

CECIL D. SMITH, Assistant Dean of the College of Agriculture with rank of Professor, six months beginning July 1, 1964, full pay.

*Department of Agricultural Economics*

NORMAN G. P. KRAUSZ, Professor of Agricultural Law, six months beginning August 1, 1964, full pay.

*Department of Agricultural Engineering*

WENDELL BOWERS, Associate Professor of Agricultural Engineering, six months beginning October 1, 1964, full pay.

DONALD G. JEDELE, Associate Professor of Agricultural Engineering, full year beginning September 1, 1964, one-half pay, or six months beginning January 1, 1965, full pay; full-year leave contingent upon receipt of supplementary financial aid.

*Department of Agronomy*

SAMUEL R. ALDRICH, Professor of Soil Fertility Extension, six months beginning July 1, 1964, full pay.

ROBERT DALE SEIF, Associate Professor of Biometry, six months beginning September 1, 1964, full pay.

*Department of Dairy Science*

ROBERT W. TOUCHBERRY, Professor of Genetics, six months beginning February 1, 1965, full pay.

MEYER J. WOLIN, Associate Professor of Bacteriology, full year beginning September 1, 1964, one-half pay; leave contingent upon receipt of supplementary financial aid.

*Department of Horticulture*

FRANK W. OWEN, Associate Professor of Horticulture, six months beginning September 1, 1964, full pay.

*Department of Plant Pathology*

ARTHUR L. HOOKER, Professor of Plant Pathology and of Agronomy, full year beginning September 1, 1964, one-half pay.

**College of Commerce and Business Administration***Department of Accountancy*

GERALD D. BRIGHTON, Associate Professor of Accountancy, first semester, full pay.

DONALD H. SKADDEN, Professor of Accountancy, second semester, full pay.

*Department of Economics*

DWIGHT P. FLANDERS, Professor of Economics, second semester, full pay.

HORACE M. GRAY, Professor of Economics, second semester, full pay.

WILLIAM A. NEISWANGER, Professor of Economics, second semester, full pay.

*Department of Finance*

ROBERT A. HEDGES, Associate Professor of Finance, second semester, full pay.

**College of Education**

DAVID P. AUSUBEL, Professor of Educational Psychology, Bureau of Educational Research, first semester, full pay.

KENNETH B. HENDERSON, Professor of Secondary and Continuing Education, second semester, full pay.

HENRY F. KAISER, Professor of Educational Psychology, Bureau of Educational Research, and Professor of Psychology, six months beginning March 1, 1965, full pay.

MERLE M. OHLSEN, Professor of Educational Psychology, first semester, full pay.

**College of Engineering***Coordinated Science Laboratory*

DANIEL ALPERT, Director of Coordinated Science Laboratory and Professor of Physics, six months beginning January 1, 1965, full pay.

RICHARD M. BROWN, Research Professor in the Coordinated Science Laboratory and Research Professor of Physics and of Electrical Engineering, six months from October 1, 1964, full pay, or full year from September 1, 1964, one-half pay.

*Department of Electrical Engineering*

WILLIAM R. ASHEY, Professor of Electrical Engineering, six months from September 1, 1964, one-half pay.

GEORGES A. DESCHAMPS, Professor of Electrical Engineering, first semester, full pay.

LADISLAS GOLDSTEIN, Professor of Electrical Engineering, first semester, full pay.

*Department of Mechanical and Industrial Engineering*

GEORGE W. HARPER, Professor of Mechanical Engineering, second semester, full pay.

*Department of Physics*

FELIX T. ADLER, Professor of Physics and of Nuclear Engineering, second semester, full pay.

FREDERICK C. BROWN, Professor of Physics, full year beginning September 1, 1964, one-half pay; leave contingent upon receipt of supplementary financial aid.

RUDOLF HAAG, Professor of Physics, first semester, one-half pay.

JAMES S. KOEHLER, Professor of Physics, second semester, full pay.

RALPH O. SIMMONS, Associate Professor of Physics, second semester, full pay.

**College of Fine and Applied Arts***Department of Architecture*

GRANVILLE S. KEITH, Professor and Chairman of Department of Architecture, second semester, full pay.

HAROLD C. YOUNG, Associate Professor of Architecture, first semester, full pay.

*Department of Art*

GLENN R. BRADSHAW, Professor of Art, first semester, full pay.

NICHOLAS BRITSKY, Professor of Art, full year beginning September 1, 1964, one-half pay, or second semester, full pay; full-year leave contingent upon receipt of supplementary financial aid.

JAMES D. HOGAN, Professor of Art, second semester, full pay.

NICOLA ZIROLI, Professor of Art, first semester, full pay.

*Department of City Planning and Landscape Architecture*

WALTER M. KEITH, Professor of Landscape Architecture and Director of Robert Allerton Park, first semester, full pay.

*School of Music*

DOROTHY E. CLARK, Associate Professor of Music and Counselor in the Student Counseling Service, second semester, full pay.

HUBERT KESSLER, Professor of Music, second semester, full pay.

EVERETT D. KISINGER, Associate Professor of Music and Assistant Director of University Bands, second semester, full pay.

- JACK H. MCKENZIE, Associate Professor of Music and of Bands, first semester, full pay.  
SOULIMA STRAVINSKY, Professor of Music, second semester, full pay.  
LUDWIG E. ZIRNER, Professor of Music, second semester, full pay.

### **College of Journalism and Communications**

#### *Department of Advertising*

- HUGH W. SARGENT, Associate Professor of Advertising, full year beginning September 1, 1964, one-half pay.

#### *Institute of Communications Research*

- CHARLES E. OSGOOD, Research Professor and Director of the Institute of Communications Research and Professor of Psychology, first semester, full pay.

#### *Department of Journalism*

- GLENN HANSON, Associate Professor of Journalism, second semester, full pay.

### **Institute of Labor and Industrial Relations**

- WALTER H. FRANKE, Associate Professor of Labor and Industrial Relations, full year beginning September 1, 1964, one-half pay, or six months from September 1, 1964, full pay; full-year leave contingent upon receipt of supplementary financial aid.  
MILFERD LIEBERTHAL, Associate Professor of Labor and Industrial Relations, six months from September 1, 1964, full pay.  
HARRY C. TRIANDIS, Associate Professor of Labor and Industrial Relations and of Psychology, full year beginning September 1, 1964, one-half pay.

### **College of Law**

- GEORGE T. FRAMPTON, Professor of Law, second semester, full pay.  
EUGENE F. SCOLES, Professor of Law, full year beginning September 1, 1964, one-half pay, or second semester, full pay; full-year leave contingent upon receipt of supplementary financial aid.

### **College of Liberal Arts and Sciences**

#### *Department of Botany*

- WILSON N. STEWART, Professor of Botany, second semester 1964-65, and first semester 1965-66, one-half pay, or first semester 1965-66, full pay; full-year leave contingent upon receipt of supplementary financial aid.

#### *Department of Chemistry and Chemical Engineering*

- JOHN C. BAILAR, JR., Professor of Inorganic Chemistry, second semester, full pay.  
THEODORE L. BROWN, Associate Professor of Inorganic Chemistry, full year, one-half pay.  
JOHN M. CLARK, Assistant Professor of Biochemistry, full year beginning February 1, 1965, one-half pay; or second semester 1964-65, full pay.  
RICHARD S. JUVET, JR., Associate Professor of Analytical Chemistry, full year beginning September 1, 1964, one-half pay.  
KENSAL E. VAN HOLDE, Associate Professor of Physical Chemistry, full year beginning September 1, 1964, one-half pay; leave contingent upon receipt of supplementary financial aid.

#### *Department of English*

- WALTER J. CHAMBERLIN, Assistant Professor of Business English, second semester, full pay.  
WILLIAM M. CURTIN, Assistant Professor of English, full year beginning September 1, 1964, one-half pay.  
DONALD JOSEPH HOGAN, Assistant Professor of English, full year beginning September 1, 1964, one-half pay.

WILLIAM H. MCBURNEY, Associate Professor of English, full year beginning September 1, 1964, one-half pay.

JACK STILLINGER, Associate Professor of English, full year beginning September 1, 1964, one-half pay.

*Department of Entomology*

CLYDE W. KEARNS, Professor and Head of the Department of Entomology, full year beginning September 1, 1964, one-half pay.

*Department of Geology*

RALPH E. GRIM, Research Professor of Geology, full year beginning September 1, 1964, one-half pay.

*Department of Germanic Languages and Literatures*

P. M. MITCHELL, Professor of German, full year beginning September 1, 1964, one-half pay.

*Department of History*

RALPH T. FISHER, JR., Professor of History and Director of Center for Russian Language and Area Studies, full year beginning September 1, 1964, one-half pay.

*Department of Mathematics*

COLIN R. BLYTH, Professor of Mathematics, first semester, full pay.

WILLIAM W. BOONE, Professor of Mathematics, first semester, full pay.

JOSEPH L. DOOB, Professor of Mathematics and Member of the Center for Advanced Study, full year beginning September 1, 1964, one-half pay.

FRANZ E. HOHN, Professor of Mathematics, full year beginning September 1, 1964, one-half pay.

*Department of Microbiology*

JOHN W. DRAKE, Assistant Professor of Microbiology, full year beginning September 1, 1964, one-half pay.

*Department of Philosophy*

CHARLES E. CATON, Assistant Professor of Philosophy, second semester, full pay.

HARRY M. TIEBOUT, JR., Associate Professor of Philosophy, first semester, full pay.

*Department of Physiology and Biophysics*

HOWARD S. DUCOFF, Associate Professor of Physiology, full year beginning August 1, 1964, one-half pay.

ROBERT E. JOHNSON, Professor of Physiology and Director of the University Honors Programs, full year beginning September 1, 1964, one-half pay.

*Department of Psychology*

RAYMOND B. CATTELL, Research Professor of Psychology, January 1 through April 30, 1965, full pay.

WILLIAM E. KAPPAUF, Professor of Psychology, full year beginning September 1, 1964, one-half pay, or second semester, full pay; full-year leave contingent upon receipt of supplementary financial aid.

LEIGH M. TRIANDIS, Associate Professor of Psychology, second semester, one-half pay.

*Department of Speech and Theatre*

WEBSTER L. SMALLEY, Assistant Professor of Speech and of Radio and Television, second semester, full pay.



**College of Physical Education***Department of Physical Education for Men*

ALFRED W. HUBBARD, Professor of Physical Education for Men, second semester, full pay.

**Jane Addams Graduate School of Social Work**

JENNETTE R. GRUENER, Professor of Social Work, full year beginning September 1, 1964, one-half pay.

DONALD E. LATHROPE, Associate Professor of Social Work, first semester, full pay.

**Executive Vice-President and Provost's Office**

JAMES F. KAMMAN, Clinical Counselor and Supervisor of Testing with rank of Associate Professor, Student Counseling Service, full year beginning September 1, 1964, one-half pay.

**Chicago Undergraduate Division**

DANIEL K. ANDREWS, Assistant Professor of Finance, second semester, full pay.

LOUIS A. BERMAN, Associate Professor of Psychology and Counselor, Student Counseling Service, full year beginning September 1, 1964, one-half pay, or six months beginning September 15, 1964, full pay; full-year leave contingent upon receipt of supplementary financial aid.

LOUIS BROUSSARD, Assistant Professor of English, second semester, full pay.

SIDNEY F. GLASSMAN, Professor of Biological Sciences, first semester, full pay.

ROSALIND A. KLAAS, Assistant Professor of Chemistry, second semester, full pay.

VIVIAN C. LIPMAN, Assistant Professor of Psychology, first semester, full pay.

ALGIS PABARCUS, Assistant Professor of Civil Engineering, second semester, full pay.

**Chicago Medical Center**

NORMAN R. ALPERT, Associate Professor of Physiology, six months beginning January 1, 1965, full pay.

CLARENCE A. JOHNSON, Associate Professor of Biological Chemistry, six months beginning January 1, 1965, full pay.

EDITH K. MACRAE, Associate Professor of Anatomy, full year beginning September 1, 1964, one-half pay.

AKIRA OMACHI, Associate Professor of Physiology, six months beginning January 1, 1965, full pay.

EARL W. RENFROE, Professor of Orthodontics, full year beginning January 1, 1965, one-half pay; leave contingent upon receipt of supplementary financial aid.

NATALIE R. SELTZER, Assistant Professor of Medical Social Work, full year beginning September 1, 1964, one-half pay; or six months beginning January 1, 1965, full pay; full-year leave contingent upon receipt of supplementary financial aid.

On motion of Mr. Dilliard, these leaves were granted, as recommended.

**APPOINTMENTS TO CENTER FOR ADVANCED STUDY**

(11) Upon recommendation of the Executive Committee of the Center for Advanced Study, and with the concurrence of the Acting Dean of the Graduate College and the Executive Vice-President and Provost, I submit the following nominations for appointments to the Center for Advanced Study for the period and for the program of research or study as indicated.

**Members***For Five-Year Terms Beginning September 1, 1964*

SOL SPIEGELMAN, Professor of Microbiology (new appointment).

Professor Spiegelman was born December 14, 1914, in New York City and received his undergraduate education at College of the City of New York. He received the Ph.D. degree in cellular physiology from Washington Uni-

versity in 1943. He served as Instructor and Assistant Professor in Bacteriology in the Washington University School of Medicine, 1945-48, was a Special Fellow of the United States Public Health Service 1948-49, and came to the University of Illinois as Professor of Bacteriology (later Microbiology) in 1949. Professor Spiegelman has received several recognitions and awards, including the Pasteur Award of the Illinois Society of Microbiologists in 1963 and selection as one of two United States biologists invited by the Pope to attend an international conference in the Vatican in 1961. He is a member of many scientific societies and has served on several committees of the National Institutes of Health. He recently delivered the Jesup Lectures at Columbia University, an honor bestowed on a select group of scholars.

JOHN BARDEEN, Professor of Electrical Engineering and of Physics (reappointment).

JOSEPH L. DOOB, Professor of Mathematics (reappointment).

JULIAN H. STEWARD, Research Professor of Anthropology (reappointment).

#### Associate Members

ALFREDO ANG, Associate Professor of Civil Engineering, for one year from September 1, 1964; to develop basic mathematical approaches to general behavioral theories of nonlinear solids, including hardening plasticity and thermoplasticity.

ARTHUR E. BARKER, Professor of English, first semester; to complete a study of the theological context and the psychological, ethical, and poetic implications of John Milton's theory of religious experience.

MARGARET CHANDLER, Professor of Sociology, Chicago Undergraduate Division, for the academic year 1964-65; to make a statistical analysis and interpretation of research data being collected currently in Japan concerning Japanese industry and industrial management.

EVELYN FRANK, Professor of Mathematics, Chicago Undergraduate Division, for the academic year 1964-65; to prepare a scholarly treatise on numerical continued fractions.

GEORGIANA JACIELLO, Assistant Professor of Medicine, Medical Center, for the academic year 1964-65; to study meiotic divisions of the human spermatocyte and oocyte in normal and pathological states.

J. ROBERT KELLY, Professor of Music, first semester; an extension of his Associate Membership to complete an opera to be entitled "The White Gods" based on the conquest of Aztec, Mexico, by Cortez.

DAVID LAZARUS, Professor of Physics, for one year from September 1, 1964, on one-half time in the Center; to study the processes surrounding the formation and motion of point defects in solids with particular emphasis on their role in diffusion studies, nuclear magnetic resonance, internal friction, and micro-volt potentiometry.

LEE A. RUBEL, Associate Professor of Mathematics, first semester; to study the Riemann Hypothesis and to attempt to generalize the Nevanlinna theory of meromorphic functions, one of the major tools in mathematical analysis.

SUNDARAM SESHU, Professor of Electrical Engineering and Research Professor in the Coordinated Science Laboratory, for the academic year 1964-65; to carry on research in the fields of self-repairing machines and sequential machines.

MICHIO SUZUKI, Professor of Mathematics, first semester; to carry on studies aimed at the ultimate goal of classifying all the finite simple groups.

NELSON WAX, Professor of Electrical Engineering and Research Professor in the Coordinated Science Laboratory, for the academic year 1964-65; to study the theory of driven nonlinear oscillators and to complete a study of asymptotic coding bounds and decipherability in codes.

On motion of Mr. Hughes, these appointments were approved.

#### APPROPRIATION FOR RESIDENCES AT DIXON SPRINGS EXPERIMENT STATION

(12) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend an appropriation of \$14,000 to remodel two residences at the Dixon Springs Experiment Station, one of which will be in lieu of a new

residence for the Superintendent for which the Board of Trustees approved the employment of an architect on September 19, 1962.

I concur.

On motion of Mr. Johnston, this appropriation was made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

**CONTRACT AND APPROPRIATION FOR AIR-CONDITIONING  
INSTALLATION IN LABOR AND INDUSTRIAL  
RELATIONS BUILDING**

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$38,753 to the Reliable Plumbing and Heating Company, Champaign, the lowest bidder, for completion of air conditioning installations in the Institute of Labor and Industrial Relations Building, subject to an appropriation of funds for this work.

The Committee on Nonrecurring Appropriations has approved in principle funds for the project. The Physical Plant Department has estimated that \$41,700 will be needed for the contract now being recommended plus other costs.

I recommend award of this contract and assignment of \$41,700 from the General Reserve.

On motion of Mr. Swain, this contract was awarded, and the requested assignment of funds was approved, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

**CONTRACT FOR LABORATORY EQUIPMENT IN RESEARCH  
AND EDUCATIONAL HOSPITALS**

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$3,335 to the Metalab Equipment Company, Chicago, Illinois, the lowest bidder, for furnishing and setting in place laboratory equipment in the Research and Educational Hospitals.

This work is being done to complete remodeling for teaching and patient care in the Department of Pediatrics in the addition to the Hospitals.

Funds are available in state capital appropriations to the University.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

**CONTRACT FOR PAINTING HEATING PLANT AT CONGRESS CIRCLE**

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$11,788 to William S. Alt and Son, Chicago, the lowest bidder, for finish painting of the heating plant under construction at Congress Circle.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Johnston, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

**CLAIM FOR ADDITIONAL COMPENSATION**

(16) In 1961 a contract was awarded to F. R. Inskip, doing business as F. R. Inskip and Company, for air-conditioning installations in the construction of the Physics Building and the work is now completed. The contractor has asserted

that he is entitled to additional compensation under the contract on the ground that actions taken by the University required him to do work that was different from or not specified in the contract documents, and thereafter he filed suit in the Circuit Court of Champaign County claiming damages in the amount of \$31,443.93. Negotiations have proceeded with respect to the work in question, and the contractor has now agreed to accept the sum of \$5,950 in full payment and satisfaction of all of his claims against the University under the contract.

The Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel are of the opinion that said amount is reasonable in view of the work performed and recommend that a final settlement between the University and the contractor be approved and authorized on the basis stated.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Page, this settlement was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

#### **CONTRACT FOR CIVIL ENGINEERING BUILDING STORM SEWER DIVERSION**

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$16,459.25 to Clancy Construction Company, Urbana, the lowest bidder, for construction of a storm sewer diversion around the Civil Engineering Building site, a necessary improvement incidental to construction of the new building.

Funds are available in the state capital appropriations to the University for 1963-65 and have been released.

I concur.

On motion of Mr. Swain, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

#### **ADDITION TO CONTRACT FOR CONSTRUCTION OF ADMINISTRATION BUILDING ADDITION**

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$15,412.50 in the contract with Kuhne-Simmons Company, Inc., for construction of the Administration Building Addition to include installation of condensate piping between the mechanical equipment room in the east basement of the addition and the proposed location of the cooling towers on the roof of the Administration Building West.

Funds are available in the construction budget for this project.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

#### **ESTATE OF ANNA M. GULICK, DECEASED**

(19) On February 19, 1964, the Board approved joining with Northwestern University in instituting a suit to contest the documents admitted to probate as the Last Will and Testament of Anna M. Gulick. Subsequent negotiations involving the University, Northwestern University, the decedent's heirs, the executor of the estate appointed by the Probate Court, and legatees and beneficiaries under the various documents have resulted in a proposal that the University accept \$8,750 in full settlement of all rights it may have in the estate.

The Legal Counsel states that in his opinion the settlement proposal is reasonable in view of the nature of the legal questions involved, the size of the estate, and the expenses that would necessarily be incurred if the University proceeded with the litigation. He recommends that acceptance of the settlement proposal be authorized.

I concur.

On motion of Mr. Hughes, this recommendation was approved.

**EMPLOYMENT OF ARCHITECTS AND ENGINEERS  
AT URBANA-CHAMPAIGN**

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of the following firms for the services and at the fees indicated:

Delbert R. Smith, Scott L. Seaton, and Milan A. Olach, a partnership doing business as Smith, Seaton, and Associates, Urbana, for miscellaneous architectural services on remodeling or other project work which does not justify separate architectural contracts. The contract will terminate June 30, 1965. The fee for services on any specific project shall not exceed \$5,000 without prior approval of the board. The firm will be paid the time card costs of professional employees plus 100 per cent for overhead and commission. Payments will be from funds budgeted for the construction of remodeling projects assigned to the architect.

Carroll-Henneman and Associates, Urbana, for engineering services for modernization of electrical supply and distribution systems in Noyes Laboratory, Davenport Hall, and the Natural History Building. The fee will be in accordance with Schedule "A" of mechanical and electrical fees of the Illinois Society of Professional Engineers. The work will include field investigations, cost estimates, plans and specifications, and general supervision of construction.

The Vice-President and Comptroller recommends an assignment of \$10,000 from the General Reserve for the cost of these services. An appropriation for the actual remodeling work will be requested after bids have been taken.

I concur.

On motion of Mr. Johnston, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

**EMPLOYMENT OF ARCHITECTS AND ENGINEERS FOR PLANNING  
AT CONGRESS CIRCLE, CHICAGO**

(21) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of the following architectural and engineering firms for the projects and at the fees indicated:

Site Development and Coordinating Services for Phase II of Congress Circle—Skidmore, Owings, and Merrill, Chicago, at actual cost of services of technical personnel employed, plus 150 per cent of such costs for overhead and commission. Technical personnel will include partners and all others assigned to the project exclusive of general office employees. The University will reimburse the firm for other expenses incurred at actual costs, including travel, subsistence, and fees of special consultants when authorized. These terms are the same as those in the contract for site development and coordinating services for Phase I.

Heating Plant Addition—Sargent and Lundy, Consulting Engineers, Chicago. This fee will be on the same basis and terms as the standard charges for previous work.

Funds for these services estimated to cost approximately \$390,000 are available from the state capital appropriations to the University from the Universities Building Fund.

The Committee on Buildings and Grounds has been consulted and supports these recommendations.

I concur.

On motion of Mr. Pogue, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

**EMPLOYMENT OF ARCHITECTS FOR PLANS AND PLANNING TO  
COMPLETE ARCHITECTURAL STUDIES,  
CONGRESS CIRCLE, CHICAGO**

(22) The Director of the Physical Plant and the Vice-President and Comptroller

recommend that the Illinois Building Authority be requested to purchase, acquire, and lease to the University plans and planning to complete architectural studies at Congress Circle, Chicago, including specifications and bid documents, from the following firms for the buildings, and at fees indicated as a per cent of the estimated cost of construction, all in accordance with the Illinois Building Authority Act and under terms approved by the Comptroller and the Director of the Physical Plant.

Skidmore, Owings, and Merrill, Chicago —

Classroom Units: 3.375 per cent, or a fee of  $4\frac{1}{2}$  per cent for services through construction

Architecture Building: 4.5 per cent, or a fee of 6 per cent for services through construction

Engineering and Science Office Building: 4.125 per cent, or a fee of  $5\frac{1}{2}$  per cent for services through construction

Engineering and Science Laboratory Addition: 3.75 per cent, or a fee of 5 per cent for services through construction

Library Addition: 3.75 per cent, or a fee of 5 per cent for services through construction

Harry Weese and Associates, Chicago — Physical Education Building: 4.125 per cent, or a fee of  $5\frac{1}{2}$  per cent for services through construction

Completion of the above studies was declared to be in the public interest by the General Assembly in 1963, and the funding will be by the Illinois Building Authority through the sale of bonds.

I concur.

On motion of Mr. Pogue, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

#### LEASES WITH THE ILLINOIS BUILDING AUTHORITY

(23) The Board of Trustees on February 19, 1964, authorized the Comptroller and Secretary of the Board to execute the necessary documents to permit the Illinois Building Authority to proceed with certain University projects which the Seventy-third General Assembly of the state of Illinois had declared to be in the public interest.

The Illinois Building Authority has since forwarded to the University forms of the leases which it requests be used for these projects, and it is requested that the Board of Trustees take specific action to approve the same. Copies of said lease forms are presented herewith and are being filed with the Secretary of the Board for record.

The leases relate to the following University projects and are on the terms indicated:

<i>Project</i>	<i>Legislative Declaration</i>	<i>Amount of IBA Bonds</i>	<i>Rent Due May 1, 1964</i>	<i>Annual Rent Due September 1, 1965, and Each Year Thereafter</i>	<i>Total Rental Payments</i>
A. Movable Equipment	\$ 4 799 500	\$ 4 912 032	\$ 751 541	\$486 290	\$ 7 559 601
B. Civil Engineering Building..	4 216 000	4 351 411	479 090	306 340	7 831 250
C. Land for Building Sites.....	1 000 200	1 032 302	113 656	72 675	1 857 856
D. Planning Congress Circle Campus..	900 000	928 901	102 272	65 395	1 671 752
<i>Total...</i>	<i>\$10 915 700</i>	<i>\$11 224 646</i>	<i>\$1 446 559</i>	<i>\$930 700</i>	<i>\$18 920 459</i>

Funds for the rental payments under the leases during the current biennium, 1963-65, are available from appropriations made by the General Assembly.

The Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel recommend that the Comptroller and Secretary of the Board of Trustees be given specific authorization to execute these leases in substantially the form presented in this meeting and that the following resolution be adopted.

I concur.

### Resolution

WHEREAS in accordance with the Illinois Building Authority Act, the Seventy-third General Assembly of the State of Illinois has declared it to be in the public interest that certain buildings and other facilities be provided for and on behalf of The Board of Trustees of the University of Illinois; and

WHEREAS the Illinois Building Authority has requested the University of Illinois to enter into the following leases in order to provide said buildings and facilities;

Now, therefore, be it and it is hereby resolved by The Board of Trustees of the University of Illinois as follows:

Section 1. That The Board of Trustees of the University of Illinois hereby authorizes the Comptroller and Secretary of this Board of Trustees to execute, acknowledge, and deliver in the name and on behalf of this corporation leases with the Illinois Building Authority in substantially the forms presented to this meeting for the following buildings and facilities:

- A. Equipment for University of Illinois buildings constructed from the Universities Building Fund requiring an initial rental payment May 1, 1964, of \$751,541, annual rental payments September 1, 1965, and each year thereafter of \$486,290, with total rental payments of \$7,559,601.
- B. Construction of a Civil Engineering Building at Champaign-Urbana, Illinois, requiring an initial rental payment May 1, 1964, of \$479,090, annual rental payments September 1, 1965, and each year thereafter of \$306,340, with total rental payments of \$7,831,250.
- C. Land for building sites in Champaign-Urbana, Illinois, requiring an initial rental payment May 1, 1964, of \$113,656, annual rental payments September 1, 1965, and each year thereafter of \$72,675, with total rental payments of \$1,857,856.
- D. Plans and planning to complete architectural studies, Congress Circle, Chicago, requiring an initial rental payment May 1, 1964, of \$102,272, annual rental payments September 1, 1965, and each year thereafter of \$65,395, with total rental payments of \$1,671,752.

On motion of Mr. Swain, authority was given as recommended, and the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

### TRANSFER OF JURISDICTION OF PROPERTY FOR ADDITION TO WATER RESOURCES BUILDING

(24) The Board of Trustees on February 19, 1964, authorized the Comptroller and Secretary of the Board of Trustees of the University of Illinois to transfer to the Illinois Building Authority certain property for an addition to the Water Resources Building.

The Illinois Building Authority has since requested that the Board of Trustees and the Department of Registration and Education jointly transfer said real estate and jurisdiction thereof to the Illinois Building Authority pursuant to the Illinois Building Authority Act so that the addition to the Water Resources Building can be constructed thereon.

The Seventy-third General Assembly has declared the construction of such addition for and on behalf of the Department of Registration and Education to be in the public interest.

The Department of Registration and Education has agreed that said real

estate and jurisdiction thereof is to be returned to the University when the terms of the Department's lease with the Illinois Building Authority have been complied with.

The Vice-President and Comptroller and the Director of the Physical Plant recommend that the resolution adopted on February 19, 1964, regarding this transaction be rescinded and that the following resolution be adopted.

I concur.

#### Resolution

WHEREAS the Seventy-third General Assembly of the State of Illinois has declared it to be in the public interest that the Illinois Building Authority construct an Addition to the Water Survey Building in Champaign, Illinois, for and on behalf of the Department of Registration and Education of the State of Illinois; and

WHEREAS for that purpose it will be necessary for the Illinois Building Authority to acquire the real estate and jurisdiction thereof upon which said Addition to the present Water Survey Building will be located; and

WHEREAS The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois with its principal office in Urbana, Illinois, has been requested by the Director of the Department of Registration and Education to join with that Department in transferring to the Illinois Building Authority jurisdiction of the real estate for the construction of the Addition to the Water Survey Building.

Now, therefore, be it and it is hereby resolved by The Board of Trustees of the University of Illinois as follows:

Section 1. That the Comptroller and Secretary of The Board of Trustees of the University of Illinois be and they are authorized to execute, acknowledge, and deliver in the name and on behalf of this corporation an instrument of transfer of jurisdiction of the following described property to the Illinois Building Authority, to wit:

Situated in the State of Illinois, the County of Champaign, the City of Champaign, in the NE  $\frac{1}{4}$  NW  $\frac{1}{4}$  of Section 18, Township 19 North, Range 9 East of the third principal meridian; being a part of Block 1 of J. S. Wright's addition to the City of Champaign and being more fully bounded and described as follows:

Beginning at the NW corner of said Block 1, said corner being the intersection of the East property line of Sixth Street and the South property line of Springfield Avenue, both in the City of Champaign, and being marked with an iron pipe monument; thence easterly along the South property line of said Springfield Avenue, a distance of 106.3 feet to a corner, said corner being marked with an iron pipe monument; thence southerly along a line parallel to the East property line of said Sixth Street, a distance of 71.0 feet to a corner; thence easterly along a line parallel to the South property line of said Springfield Avenue, a distance of 1.3 feet to a corner; thence southerly along a line parallel to the East property line of said Sixth Street, a distance of 61.0 feet to a corner, said corner being marked with a cross cut in the concrete pavement; thence westerly along a line parallel to the South property line of said Springfield Avenue, a distance of 107.6 feet to a corner on the East property line of said Sixth Street, said corner being marked with a cross cut in concrete; thence northerly along the East property line of said Sixth Street, a distance of 132.0 feet to the place of beginning, containing 0.32 acres, more or less;

in such terms as will permit said Illinois Building Authority to construct thereon an Addition to the present Water Survey Building and lease the same to the Department of Registration and Education of the State of Illinois.

On motion of Mr. Hughes, the resolution adopted February 19, 1964, regarding this transaction was rescinded and the above resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.



**TRANSFER OF JURISDICTION OF PROPERTY FOR CONSTRUCTION  
OF CIVIL ENGINEERING BUILDING**

(25) The Illinois Building Authority has requested the Board of Trustees of the University of Illinois to transfer the real estate and jurisdiction thereof which constitutes the site of the Civil Engineering Building to be constructed by the Authority for the University under a lease agreement heretofore authorized by the Board.

At the October 26, 1963, meeting, the Board authorized the acquisition of a portion of the site from the city of Urbana with appropriated funds. The Vice-President and Comptroller and the Director of the Physical Plant request authorization to complete such acquisition from general contract reserves instead of appropriated funds.

The Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel also recommend the adoption of the following resolution to authorize the transfer requested by the Illinois Building Authority.

I concur.

**Resolution**

**WHEREAS** the Seventy-third General Assembly of the State of Illinois has declared it to be in the public interest that the Illinois Building Authority construct a Civil Engineering Building in Urbana, Illinois, for and on behalf of The Board of Trustees of the University of Illinois; and

**WHEREAS** for that purpose it will be necessary for the Illinois Building Authority to acquire the real estate and jurisdiction thereof upon which said Civil Engineering Building will be located; and

**WHEREAS** The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois with its principal office in Urbana, Illinois, has been requested by the Illinois Building Authority to transfer the real estate and jurisdiction thereof for the construction of the Civil Engineering Building.

*Now therefore*, be it and it is hereby resolved by The Board of Trustees of the University of Illinois as follows:

Section 1. That the Comptroller and Secretary of The Board of Trustees of the University of Illinois be and they are authorized to execute, acknowledge, and deliver in the name and on behalf of this corporation an instrument of transfer of jurisdiction of the following described property to the Illinois Building Authority to wit:

**Tract 1:**

Lot Three (3), Lot Four (4), Lot Five (5), Lot Six (6), Lot Seven (7), and Lot Eight (8) in Block Fifty-one (51) of the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois; and also

**Tract 2:**

That portion of Romine Street and Alley situated in the City of Urbana, in the County of Champaign, and State of Illinois vacated by an ordinance entitled "An Ordinance Vacating a Portion of a Street and an Alley" adopted by the City Council of the City of Urbana, Illinois on the twentieth day of January, A.D., 1964 and bounded as follows:

Commencing at the Northwest (NW) corner of Lot Five (5) in Block Fifty-one (51) of the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign and State of Illinois, and thence West (W) sixty-six feet (66') along the South (S) line of Main Street extended to a point, thence South (S) along a line parallel to the West (W) property line of Lots Five (5) and Six (6) in Block Fifty-one (51) of the Seminary Addition to Urbana Two Hundred Eighty and Five Tenths feet (280.5'), more or less, to a point on the North (N) property line of Stoughton Street extended West (W), Sixty-six feet (66') West (W) of the Southwest (SW) corner of said Lot Six (6), and thence East (E) Sixty-six feet (66') along the North (N) property line of Stoughton Street extended West (W) to the Southwest (SW) corner of said Lot Six (6) in Block Fifty-one (51) of the Seminary Addition to Urbana, thence North (N) One Hundred Thirty-two feet (132') more or less, along the West (W) property line of said Lot Six (6) to the Northwest corner (NW) of said Lot Six (6), thence East (E) One Hundred Ninety-

eight feet (198') more or less, along the North (N) property line of Lots Six (6), Seven (7), and Eight (8) in Block Fifty-one (51) of the Seminary Addition to Urbana to the Northeast (NE) corner of said Lot Eight (8), thence North (N) Sixteen and One Half feet (16½') more or less, to the Southeast (SE) corner of Lot Three (3) in Block Fifty-one (51) of the Seminary Addition to Urbana, thence West (W) along the South (S) property line of Lots Three (3), Four (4), and Five (5) in Block Fifty-one (51) of the Seminary Addition to Urbana One Hundred Ninety-eight feet (198') more or less, to the Southwest (SW) corner of said Lot Five (5) in Block Fifty-one (51) of Seminary Addition to Urbana, thence North (N) along the West (W) property line of said Lot Five (5) in Block Fifty-one (51) of the Seminary Addition to Urbana, One Hundred Thirty-two feet (132'), more or less, to the Northwest (NW) corner of said Lot Five (5) in Block Fifty-one (51) of Seminary Addition to Urbana, the point of beginning; subject to easements to the City of Urbana, Illinois upon and under the above described tract for the maintenance and repair of all sewers and drains which are located on or under the surface of any part of the above described tract and subject to easements to all public utilities, their successors and assigns to operate, maintain and renew and reconstruct their facilities as now operated and maintained in, over, or under the above described tract.

Being the site upon which the Illinois Building Authority is to construct and complete the Civil Engineering Building.

On motion of Mr. Page, authority was given as recommended, and the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

#### CONTRACTS FOR CONSTRUCTION OF THE CIVIL ENGINEERING BUILDING. PHASE 1

(26) Submitted herewith is a report from the Physical Plant Department of the bids received on February 21 and February 28, 1964, for construction of the Civil Engineering Building, Phase 1, a copy of which is being filed with the Secretary of the Board for record.

In accordance with the Illinois Building Authority Act, the Seventy-third General Assembly of the state of Illinois declared the expenditure of \$4,216,000 for the construction of a Civil Engineering Building at Champaign-Urbana which will be financed by the Illinois Building Authority to be in the public interest. The funds for construction will be provided by the issuance and sale of bonds by the Illinois Building Authority, which bonds will be serviced and retired from revenues from the lease of the facility to the University, and for which lease rental payments the University has received an appropriation. Additional funds are available from a grant from the National Institutes of Health.

The Board has heretofore authorized the transfer of jurisdiction of the building site to the Illinois Building Authority and the execution of a lease of the property back to the University. The lease provides that the Illinois Building Authority will construct the building and the construction bids received should now be assigned to the Authority and recommendations made as to the awards. Accordingly, the Vice-President and Comptroller, the Director of the Physical Plant Department, and the Legal Counsel recommend the adoption of the following resolution.

I concur.

#### Resolution

*Be It, and It Hereby Is, Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the bids received on February 21 and February 28, 1964, for the construction of Civil Engineering Building, Phase 1, and all rights thereunder, including but not limited to, the right to contract with the bidder, be and they hereby are, assigned to the Illinois Building Authority; and this Board of Trustees recommends to the Illinois Building Authority that contracts for construction of a

Civil Engineering Building, Phase 1, be awarded by the Illinois Building Authority as follows:

Division I

General — Pathman Construction Company, Chicago

Base bid ..... \$1 983 793

Additive alternates for:

IA. Assignment of other contracts..... 45 000

IB. Storage mezzanine ..... 4 000

IC. Change in finish of aluminum louvers..... 750

ID. Change in finish of aluminum fascia..... 2 200

IE. Add dumbwaiter ..... 3 500

IG. Changing to gray plate glass..... 500

IH. Change in finish for aluminum windows.... 7 000

Deductive alternate for:

IF. Substituting Adams and Westlake windows  
for those specified in base bid..... -14 000

\$2 032 743

Division II

Electrical — G. L. Witsky, an individual doing business as  
Downtown Electric, Urbana

Base bid ..... 345 325

Additive alternates for:

IIC. Installing public address system..... 1 800

IID. Wiring for added mezzanine..... 500

IIF. For adding "Message Available" system.... 5 900

Deductive alternates for:

IIB. Substitute day brite fixtures for those  
specified ..... -8 000

IIE. Substitute fuse type main switch board for  
breaker type ..... -11 000

334 525

Division III

Plumbing Work — Economy Plumbing and Heating Company, Inc.,  
Skokie

Base bid ..... 231 869

Division IV

Heating and Air Conditioning Work — Ideal Heating Company,  
Chicago.....

377 777

Division V

Ventilating Work — Mellish and Murray Company,  
Chicago

Base bid ..... 251 800

Additive alternate for:

VA. Increased air conditioning capacity..... 800

Deductive alternate for:

VF. Prefabricated boiler stack in lieu of steel stack. -2 700

249 900

Division VI

Temperature Control Work — Johnson Service Company,  
Urbana

Base bid ..... 39 000

Division VII

Laboratory Equipment Work — Duralab Equipment Cor-  
poration, Brooklyn, New York

Base bid ..... 248 500

Deductive alternates for:

VIII.B. Substitute Alberene stone tops for serpentine tops .....	-4 718
VIIIC. Substitute Labline environment rooms for hot pack rooms.....	-27 500

216 282

Total ..... \$3 482 096

The Board of Trustees further recommends to the Illinois Building Authority that all contracts other than the contract for general work be assigned to the contractor for general work, making a total for such contract \$3,482,096, and that an agreement be entered into with the Pathman Construction Company, Chicago, for the assignment of these other contracts for \$45,000 which amount is included in the aforesaid contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Fogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

### PURCHASES

(27) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Institutional Funds and purchases from Appropriated Funds (i.e., from state appropriations to the University). The former term is used here to designate funds received by the University under contracts with the United States government; contracts with private corporations and other organizations, from foundation grants, and grants from corporations and other donors; and University revolving funds authorized by law.

#### *Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Pressure reaction vessel for performing chemical reactions under pressure	Biological Chemistry, Chicago	American Instrument Co., Inc., Barrington	\$ 2 968 00 delivered
One spectrophotometer and accessories	Biological Chemistry, Chicago	Fisher Scientific Co., Chicago	5 588 30 delivered
Research services for a study of efficient use of medical manpower	Office of Research in Medical Education, Chicago	American Institute for Research, Pittsburgh, Pa.	20 316 00
One indicating type automatic differential retractometer	Medical Physiology, Chicago	Phoenix Precision Instrument Co., Inc., Philadelphia, Pa.	4 377 00 f.o.b. Chicago
300 mouse cages with tops	Medical Research Laboratory, Chicago	Hoeltge, Inc., Cincinnati, Ohio	3 180 00 delivered
One lot of metal furniture for workshop, study areas, library, and offices, in the Department of Medical Education, to consist of eleven work tops with base cabinets up to 26 ft. in length, twenty-one desks, and six files	Medicine, Chicago	Desks, Inc., Chicago	8 437 60 delivered and installed
Thirty microscopes less trade-in of thirty used microscopes	Illini Bookstore, Chicago	Aloe Scientific Division, Schiller Park	5 670 00 delivered

Item	Department	Vendor	Cost
Linens consisting of 250 dozen sheets, 850 dozen towels, 500 dozen wash cloths, 76 dozen pads, 200 dozen pillow cases, 50 dozen dish cloths, 50 dozen bed pan covers	Physical Plant, Chicago	Kansas City White Goods, \$6 Kansas City, Mo. 150 dozen sheets 500 dozen bath towels 200 dozen pillow cases 50 dozen bed pan covers Haag Brothers, Skokie 100 dozen sheets 100 dozen surgical towels 40 dozen pads Will Ross, Inc., Milwaukee, Wis. 500 dozen wash cloths 250 dozen towels 50 dozen dish cloths Mills Hospital Supply, Chicago 36 dozen pads	735 50     2 491 20    1 182 50   115 20  (10 524 40) delivered
279 CO fire extinguishers and 266 water-pressurized fire extinguishers for Congress Circle campus	Congress Circle	Walter Kidde & Co., Inc., Chicago	8 498 54
One gas chromatograph, dual column, with flame and thermal conductivity detectors, temperature programmer, recorder with integrated disc, hydrogen generator and one 10 milliliter gas-tight syringe, to be used in studies of spray residues from herbicides and pesticides on farm land	Agricultural Engineering	Wilkins Instrument & Research Inc., Walnut Creek, Calif.	5 946 05 f.o.b. delivered
Services for depreservation, preparation for ferrying, and ferrying services of two federal surplus C47 airplanes from Davis Monthan Air Force Base, Tucson, Arizona, to the University of Illinois-Willard Airport	Institute of Aviation	Aero Services, Inc., Tucson, Ariz.	2 634 00 f.o.b. delivered
One D.C. milliammeter, 1-ma to 10 amps One current probe, 1 mv/ma $\pm 1\%$ at 1 KC; One digital voltmeter, four-digit, accuracy $\pm 0.05\% \pm 1$ digit One audio distortion analyzer, 20 cps to 20 KC (Item 4) All for student instruction	Institute of Aviation	Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago	2 565 00 f.o.b. shipping point
One oscilloscope, dual-trace sampling, with timing unit and passive probes, 2 mv/cm to 200 mv/cm calibrated sensitivity, bandwidth 1 kmc	Botany	Tektronix, Inc., Park Ridge	3 434 00 f.o.b. Beaverton, Ore.
One gas chromatograph, single column double oven type, with flame-ionization detector, thermal conductivity detector, wheatstone bridge and oven with inlet splitter, to be used for the investigation of the role of long chain aliphatic and aromatic aldehydes as they effect the chemiluminescent quantum yield of bacterial enzyme	Chemistry and Chemical Engineering	Wilkins Instrument & Research, Inc., Walnut Creek, Calif.	2 639 57 f.o.b. delivered
One accessory system to expand the EPR spectrometer system originally approved for purchase on February 19, 1964	Chemistry and Chemical Engineering	Varian Associates, Palo Alto, Calif.	4 115 00 f.o.b. delivered
One x-ray generator and control, 5 kv, 50 ma One tube, x-ray diffraction, four-window, fine-focus	Chemistry and Chemical Engineering	Philips Electronic Instruments, Chicago	4 950 00 f.o.b. delivered
One preparative centrifuge, refrigerated, vacuum type with one high capacity angle rotor head and one swinging bucket rotor, for use in the purification and separation of crystalline particle inclusions by the Biochemistry Division of the Department of Chemistry and Chemical Engineering	Chemistry and Chemical Engineering	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	9 751 00 f.o.b. delivered
One signal converter and generator, output both sinusoidal and step-signal, two-pen variable speed electronic recorder, frequencies 1-cps to 1-cph, ranges 1-5 milliamps and 10-50 milliamps	Chemistry and Chemical Engineering	Procedyne Associates, Inc., New Brunswick, N.J.	2 783 50 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Two oscilloscopes, time base "A" 0.1 microseconds/cm to 5 seconds/cm, time base "B" 2 microseconds/cm to 1 second/cm	Coordinated Science Laboratory	Tektronix, Inc., Park Ridge	\$ 3 537 00 f.o.b. Beaverton, Ore.
Six scope probes			
One wide-band plug-in unit DC-14 mc			
One dual trace plug-in unit DC-15 mc			
One recorder, data tape, four simultaneous data record channels at selectable speeds of 30, 15, 3%, or 1 1/2 inches per second plus one voice record and playback channel at same selectable speeds and four simultaneous playback channels at selectable speeds of 30 or 1 1/2 inches per second	Coordinated Science Laboratory	Minneapolis-Honeywell Regulator Co., Chicago	8 795 00 f.o.b. delivered
166 sheets glass epoxy laminate, 2 oz. copper clad on both sides, coated with protective plastic and sealed in polyethylene bags	Digital Computer Laboratory	The Mica Corp., Chicago	2 726 28 f.o.b. delivered
Fifty sheets glass epoxy laminate, 2 oz. copper clad on one side, coated with protective plastic and sealed in polyethylene bags			
5,000 transistors type SM-1660 (selected 2N967)	Digital Computer Laboratory	Motorola Semiconductor Products, Inc., Chicago	3 000 00 f.o.b. Phoenix, Ariz.
1,500 diodes, type 1N3730	Digital Computer Laboratory	Raytheon Co., Franklin Park	2 835 00 f.o.b. delivered
2,000 connectors, printed circuit, 0.078-22 pin, double sided phosphor bronze wire wrap terminals	Digital Computer Laboratory	Cinch Manufacturing Co., Chicago	3 360 00 f.o.b. Chicago
1,900 transformers, special for memory systems, per Digital Computer Laboratory specifications	Digital Computer Laboratory	Wabash Magnetics, Inc., Wabash, Ind.	3 180 00 f.o.b. delivered
Furniture for various lounge areas in the new College of Education Building as follows: twenty-six arm chairs, six sofas, twenty-eight side chairs, nine tables	Education	Marshall Field & Co., Chicago	5 028 60 f.o.b. delivered
Classroom furniture for use in the elementary education laboratory classrooms and other classrooms in the new College of Education Building as follows: 283 fiberglass chairs with ganging feature and large folding writing surface, ninety-five fiberglass stacking chairs, thirty trapezoidal tables, eleven rectangular tables, four half round tables, five teachers desks	Education	Mackin Sales Co., Momence	11 317 05 f.o.b. delivered and set in place
One television tape recorder, transistorized, portable, and designed to record and play back standard EIA television signals or closed circuit industrial signals	Education	Ampex Corp., Elmhurst	12 210 16 f.o.b. delivered
One set extra video heads			
Lounge furniture for the new College of Education Building consisting of the following: five upholstered sofas, eight upholstered lounge chairs, seventeen occasional tables, two coffee tables	Education	Weger Institutional Designs, Lansing, Mich.	5 709 66 f.o.b. delivered
One antenna model support tower system including a transmitting antenna polarization mount	Electrical Engineering	Antlab, Inc., Worthington, Ohio	14 815 00 f.o.b. delivered
One wide-range receiving system for the study of antenna patterns, used, with frequency range of 30 mc to 100 gc, with automatic frequency and automatic gain controls, thirty-day new equipment warranty on receiver, less backward wave oscillator	Electrical Engineering	Scientific-Atlanta, Inc., Atlanta, Ga.	5 200 00 f.o.b. Atlanta, Ga.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One ultra-high vacuum system consisting of ion pump and control, internal heater and control titanium sublimation pump and control, three sorption pumps, three liquid nitrogen containers, bakeout heater, bakeable roughing valve, bell jar joint, stainless steel frame, 6-inch isolation valve, cryogenic shroud, base-plate and well, pyrex bell jar, rotary motion triggered discharge gauge and control, and 2 kva power supply	Electrical Engineering Research Laboratory	ULTEK Corp., Palo Alto, Calif.	\$ 15 468 50 f.o.b. delivered
One plasma jet heater capable of operating at power levels from 2 kw to 80 kw continuously with low contamination of the jet flame by electrode erosion and capable of operating on nitrogen, argon, helium, and simulated air	Mechanical and Industrial Engineering	Giannini Scientific Corp., Western Springs	5 475 00 f.o.b. delivered
(Note: This purchase will be made from both Institutional Funds, \$5,475.00, and Appropriated Funds, \$5,475.00, for a total of \$10,950.00.)			
One gas chromatograph, including combination flame and electron-capture detector, dual differential electrometer linear temperature programmer, effluent splitter and dual channel recorder, to be used for biological analyses of sugar derivatives and sulphur compounds	Microbiology	Wilkins Instrument & Research, Inc., Chicago	4 402 75 f.o.b. delivered
One crystal growing furnace modified for continuous operation at 1,700° centigrade, including two sight ports for research work on metallic carbide crystals	Mining, Metallurgy, and Petroleum Engineering	NRC Equipment Corp., Newton Highlands, Mass.	10 120 00 f.o.b. delivered
Helium gas, approximately 600,000 cubic feet, for the period April 1, 1964, through June 30, 1965	Physics	Air Reduction Co., St. Louis, Mo.	36 000 00 f.o.b. delivered
One computer of average transients, four inputs, input impedance 20,000 ohms, maximum signal input $\pm 3$ volts, 400 analysis points of address, analysis times 31.5 milliseconds to 16 seconds, memory capacity 10 <sup>4</sup> -1	Physiology and Biophysics	Mnemotron Division of TMC, Minneapolis, Minn.	9 966 00 f.o.b. delivered and installed
One flowmeter, dual channel, electromagnetic, plus an option to buy two additional accessory channels if the initial tests of the basic equipment warrant expansion of the operational capacity	Theoretical and Applied Mechanics	Beta Corp. of St. Louis, St. Louis, Mo.	4 250 00 f.o.b. delivered
Four electronic instrumentation laboratories	Industrial Education	Heath Co., Benton Harbor, Mich.	4 500 00 f.o.b. Benton Harbor, Mich.
Six workbench cabinet units for above			
50,000 pounds anhydrous ammonia to be furnished and applied on approximately 500 acres of corn land at the Dixon Springs Experiment Station, Simpson	Dixon Springs Experiment Station	Hy-Yield Fertilizer Co., Murphysboro	3 875 00 f.o.b. delivered and spread
Furniture for Orchard Downs apartments: 180 beds, 180 chests, 145 dining tables, 200 side chairs, 180 lounge chairs, 356 end tables	Housing Division	Associated Service & Supply Co., Chicago	40 282 78 f.o.b. Gardner, Mass.
Furniture for Illinois Street Residence Halls, Graduate Residence Halls, and family housing units in Orchard Downs: 176 student desks with trapezoidal tops, 650 student desks with rectangular tops, 592 single beds	Housing Division	Joerns Furniture Co., Stevens Point, Wis.	82 647 12 f.o.b. delivered
China, fully vitrified, for the Illinois Street Residence Halls and for Central Food Stores stock: 910 dozen dinner plates, 9½ in.; 1,300 dozen salad plates, 6½ in.; 339 dozen cups, 7½ oz.; 590 dozen saucers, 5¾ in.; 1,344 dozen soup nappies, 6¾ in.; 1,907 dozen sauce dishes, 5 in.; 360 dozen cups, special mug	Housing Division	E. A. Hinrichs & Co., Lincolnwood	35 545 88 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furnish and install carpeting in the Pine Lounge and Browsing Room of Illini Union (North)	Illini Union	Chicago Carpet & Fabric Co., Chicago	\$ 4 500 00 f.o.b. delivered and installed
1,000 stacking chairs with upholstered seats and backs for the Illini Union	Illini Union	S. Buckman Furniture & Supply Co., Spring Valley	20 942 60 f.o.b. delivered
Steel office furniture to provide for anticipated requirements for new buildings under construction at Urbana and at the Medical Center and for storeroom stocks	Office Supply Storeroom	Weber, Hilmer, & Johnson, Inc. (distributor), Chicago Group A The Globe Wernicke Co. (manufacturer), Cincinnati, Ohio Group B	146 220 66   7 795 99 (154 016 65) f.o.b. delivered
Wood office furniture for administrative offices in the new Education Building: eleven desks, six credenzas, one office table, two conference tables, ten conference arm chairs	Office Supply Storeroom	Rogard's, Champaign	4 642 86 f.o.b. delivered
Print and bind 5,000 copies of <i>Black Hawk: An Autobiography</i> , by Donald Jackson, approximately 176 pages, trim size 5½ in. by 8 in.	University Press	North Central Publishing Co., St. Paul, Minn.	2 390 70 f.o.b. delivered
Print and bind 2,500 copies <i>Urban Land Use Planning</i> , by Stuart Chapin, Jr., trim size 7 in. by 9½ in., approximately 482 pages per copy	University Press	Pantagraph Printing & Stationery Co., Bloomington	7 418 40 f.o.b. delivered
Fifteen tons fertilizer, high nitrogen content fertilizer, analysis 38-0-0	Physical Plant	Kahn Brothers Co., Chicago	4 567 05 f.o.b. delivered
One refuse packer, hydraulically operated, with a capacity of 150 cubic yards per hour	Physical Plant	Coleman & Associates, Rockford	7 301 00 f.o.b. delivered
One refuse container, 33 cubic yard capacity, modified to operate with above refuse packer			

*Purchases from Appropriated Funds*

Two each controlled-environment plant growth chambers with walkway, complete with one humidifying system consisting of water vaporizer solenoid-actuated; two electronic humidity dual controls; two dehumidifying systems consisting of heating and cooling coils; and two each two-pen wet and dry bulb recording recorders, to be delivered and installed in the Engineering Science Building at Congress Circle	College of Liberal Arts and Sciences, Congress Circle	Sherer-Gillett Co., Marshall, Mich.	18 670 00 delivered and installed
Electronic language laboratory equipment for installation at Congress Circle Classroom Building in eight rooms, consisting of 105 student booths complete with headset microphones and dial positions; two language consoles, one sixty-position and one fifteen-position; console switchcracks; power supply units; program cabinets; twenty reel-to-reel program machines and two remote record series; and including dismantling, relocation, and integrating into new system of existing language laboratory now located at Navy Pier	College of Liberal Arts and Sciences, Congress Circle	Watland, Inc., Chicago	62 561 00 delivered and installed



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furnish and install thirteen pieces of machine equipment, complete with accessories, at Congress Circle Campus, consisting of the following: one each precision toolmakers' lathe, turret milling machine, band saw, bench grinder, electric treating furnace, surface grinding machine, disc sander, drill press, power hacksaw, arbor press, precision filing machine, surface plate and stand	Physics, Congress Circle	Alta Products Co., Chicago Adams & Nelson, Chicago Barrett-Christie Co., Chicago Don G. Beck Co., Chicago Boyd Wagner Co., Chicago Brown & Sharpe Manufacturing Co., Providence, R.I. Grand Tool & Supply Co., Chicago Monarch Machine Tool Co., Oak Park	\$ 136 37 390 00 341 00 4 507 37 1 081 61 5 210 00 309 60 11 765 00 delivered and installed
(Note: This purchase will be made from both Appropriated Funds, \$22,138.19, and Institutional Funds, \$1,602.76, for a total of \$23,740.95.)			
One lawn sprinkler system	Physical Plant, Chicago	Andrew McCann, Chicago	3 155 00 installed
Six recorders, tape, two-track, 3½ and 7½ in. per second, standard rack mount professional studio quality, 30 to 15,000 cps	Education	Bilbo Electronics, Inc., Springfield	6 706 50 f.o.b. delivered
Twelve plug-in microphone pre-amplifiers			
Eighteen dissecting microscopes, with inclined binocular bodies and three objective revolving nosepieces, for a maximum magnification of 90X; less trade-in of twenty obsolete microscopes	Entomology	Lukas Microscope Service, Skokie	6 636 60 f.o.b. delivered
One cooling tower, furnished and set in place with capacity of 700 gallons per minute water flow, approximately 15 degree temperature rise, 85 degree leaving water temperature, and 75 degree wet bulb temperature; tower to be capable of withstanding 40 pounds per square foot snow load and 100 miles per hour wind load	Mechanical and Industrial Engineering	Binks Manufacturing Co., Chicago	4 185 00 f.o.b. delivered and set in place
Eight pianos, grand, ebony finish, various sizes; less trade-in of nine grand pianos of similar type and size	Music	Peoria Musical Instrument Co., Peoria Four pianos Emerson Piano House, Inc., Decatur One piano Riley Music, Champaign Two pianos Clifford V. Lloyde Piano Co., Champaign One piano	9 200 00 3 995 00 3 962 00 1 890 00 (19 047 00) f.o.b. delivered
Film tank service and approximately 402 cartons of x-ray solutions for two automatic x-ray film processing units for the period beginning July 1, 1964, through June 30, 1965, subject to renewal for one year by mutual agreement	Radiology	Philip A. Hunt Chemical Corp., Chicago	9 140 90 delivered
One instructional apparatus, including a turbofan project with power supply, smoke generator and nozzle, and one force moment balance project for study of fluid dynamics	Theoretical and Applied Mechanics	Scott Aviation Corp., Boca Raton, Fla.	3 120 83 f.o.b. delivered
Rental of caps, gowns, and hoods for faculty members and graduating students for the June 13, 1964, Commencement; estimated number of costumes required for the Urbana and Chicago campuses: 1,833 bachelors, 362 masters, 317 doctors (Ph.D.), 195 doctors (M.D.), 95 doctors (D.D.S.)	Committee on Commencement	Collegiate Cap & Gown Co., Champaign E. R. Moore Co., Chicago	6 750 00 3 192 50 (9 942 50) f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Print and bind 35,000 copies of <i>Undergraduate Courses, 1964-65</i> , trim size 6 in. by 9 in., approximately 240 pages per copy	University Press	R. R. Donnelley & Sons Co., Inc., Chicago	\$10 400 00 f.o.b. delivered
Print and bind 800 copies of <i>Index Verborum in Ciceronis Rhetorica</i> , by Kenneth M. Abbott, approximately 1,184 pages	University Press	Cushing-Malloy, Inc., Ann Arbor, Mich.	4 683 00 f.o.b. delivered
One tractor, 1964, with power steering, four-speed reversing transmission, three-point hitch assembly, all weather steel cab with electric windshield wipers, heater, and defroster, power take off unit, and V-type snow plow with hydraulic ram type lift system; less trade-in of 1952 utility tractor and V-type snow plow	Physical Plant	Economy Implements, Inc., Urbana	3 100 00 f.o.b. delivered
One lot of steel laboratory furniture consisting of the following items: twenty base units, two two-student tables, one student physics table, four alberene stone sinks, one carbonized birch pegboard, and five wall storage cabinets with sliding glass doors, to be used in the remodeling of a laboratory in the Floriculture Building	Physical Plant	Laboratory Furniture Co., Inc., Mineola, N.Y.	3 132 00 f.o.b. delivered
Eleven automobiles, 1964 model, four-door sedans with automatic transmissions and V-8 engines, less trade-in of eight 1962, two 1961 model four-door sedans with automatic transmission and six cylinder engines, and one 1961 model compact, four-door sedan with automatic transmission and six cylinder engine	Physical Plant	Courtesy Motor Sales, Inc., Chicago (Ford) Six automobiles University Ford, Champaign (Ford) Three automobiles Rhodes Chevrolet, Farmer City (Chevrolet) Two automobiles (Total)	6 230 00 3 276 00 2 800 00 12 306 00 f.o.b. delivered

On motion of Mr. Johnston, these purchases were authorized.

#### COMPTROLLER'S REPORT OF CONTRACTS

(28) The Comptroller's report of contracts executed during the period February 1 to 29, 1964.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Association of Iron and Steel Engineers	Shelling of crane wheels	\$42 526 00	November 6, 1963
Chicago Copper & Chemical Co.	Preparation and evaluation of ferroelectric barium titanate	2 500 00	January 6, 1964
The Hammond Lead Products Co.	Reaction kinetics and solution mechanisms in glaze-body systems	2 500 00	February 7, 1964
Lincoln Park District	Appraisal of the recreation areas and facilities of city and park districts	700 00	October 10, 1963
Superintendent of Public Instruction	Conduct demonstration and experimental projects in the field of education of gifted children	123 453 00	November 22, 1963
Superintendent of Public Instruction	Conduct centers, experimental projects, and institutes in the field of education of gifted children	126 098 00	January 14, 1964
United States Air Force AF-AFOSR-588-64	Matrix isolation and mass spectrometric studies of species produced in a shock tube	48 388 00	January 1, 1964
United States Air Force AF-AFOSR-599-64	Experimental aspects of the polaron	26 176 00	February 1, 1964
United States Air Force AF41(609)-2185	Cardiovascular effects of refeeding stress	24 936 00	December 1, 1963
United States Atomic Energy Commission AT(11-1)-1342	Studies on (1) binding of radionuclide metals in the chromosomes of plant cells; (2) genetic consequences of this binding; (3) maize meristem activity and base analog effects on mutation in corn	25 257 00	December 1, 1963

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Department of Health, Education and Welfare OE-4-10-105	Theory of expectations applied to musical listening	\$ 37 907 00	February 1, 1964
United States Navy NOW 64-0178-d	Modes of fracture of composite materials	40 521 00	January 14, 1964
United States Navy N123-(953)35240A	Nonlinear discrete and sample-data control systems	14 999 00	January 15, 1964
<i>Total</i>		<u>\$515 961 00</u>	

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Ice Capades, Inc.	Presentation of "Ice Capades" (seven performances)	70 per cent of gross proceeds	December 6, 1963
Space Craft, Inc. (sub-contract with National Aeronautics and Space Administration, NSG-504)	Electron density and collision frequency in the lower regions of the ionosphere	\$ 12 756 00	January 17, 1964
State's Attorney of Champaign County	Payment for services rendered by local governmental units (108 properties located in Champaign County)	26 716 00	January 23, 1964
State's Attorney of Champaign County	Payment for services rendered by local governmental units (Student-Staff Apartments)	3 214 00	January 23, 1964
<i>Total</i>		<u>\$44 686 00</u>	

## Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Business Machines Corp.	Rental of office machines, four items: \$76.80 to \$4,713.60	\$ 5 750 00	September, October, and November, 1963
International Harvester Co.	Rental of farm machinery, two items: \$335.00 and \$2,117.00	2 452 00	October 7, 1963
Mrs. Rosemund Lowry (renewal)	Rental of premises at 1007 S. Fifth Street, Champaign, from February 1, 1964, to June 15, 1964 for student housing (one semester)	2 475 00	February 1, 1964
MacCarthy Ford Tractor Sales, Inc.	Rental of farm machinery: one tractor and one loader with attachments	670 00	July 17, 1963
Massey-Ferguson, Inc.	Rental of farm machinery, eight items: \$2.50 to \$863.75	1 139 00	December, 1963
George Skafidas, Elizabeth McGarry, and Sam F. Skafidas (renewal)	Rental of one building at 2004 Third Avenue, Rock Island, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children	3 000 00 (125.00 per month)	July 1, 1963
University of Illinois Foundation (renewal) (sublease with Bailey & Himes, Inc.)	Rental of entire second floor of building at 606½ East Green Street, Champaign, September 1, 1963, to June 30, 1965, for radio station WILL	5 296 00 (240.71 per month)	September 1, 1963
University of Illinois Foundation (renewal) (sublease with Hayes Building Account)	Rental of premises at 704 South Sixth Street, Champaign, from July 1, 1963, to June 30, 1965, for Physical Plant Department and Audio-Visual Aids	18 907 00 (\$708.33 for July and August, 1963; \$795.00 for balance of period)	July 1, 1963
University of Illinois Foundation (renewal) (sublease with Chester E. Keller, receiver for Corrubia property)	Rental of second floors at 601, 603, and 605 East Green Street, Champaign, from July 1, 1963, to June 30, 1965, for Architectural Division	14 400 00 (\$600.00 per month)	July 1, 1963
University of Illinois Foundation (renewal) (sublease with Tom and Josephine Merlo)	Rental of second floor at 611 and 613 East Green Street, Champaign, from September 1, 1963, to June 30, 1965, for Audio-Visual Aids	6 380 00 (\$290.00 per month)	September 1, 1963
<i>Total</i>		<u>\$60 469 00</u>	

## Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Agricultural Chemicals Division	Evaluation of a series of chlorinated hydrocarbon compounds as insecticides	\$ 2 500 00	December 20, 1963
Merck & Co., Inc.	Growth stimulants in swine	3 000 00	July 1, 1963
Soft Phosphate Research Institute, Inc.	Phosphate utilization	4 000 00	January 29, 1964
United States Air Force AF19(628)-2391	Electromagnetic wave interaction techniques	29 997 00	December 18, 1963
United States Air Force AF33(657)-7422	High temperature resistant inorganic structural adhesives with metals	1 200 00	February 4, 1964
United States Air Force AF33(657)-10474	Electromagnetic and ferret reconnaissance antenna techniques	210 000 00	October 31, 1963
United States Army DA-49-193-MD-2222	Experimental ketosis in man	30 914 00	January 31, 1964
United States Army DA-49-193-MD-2481	Chemistry and mechanism of action of potential antiviral agents	34 999 00	January 7, 1964
United States Atomic Energy Commission AT(11-1)-903	Genetic/isotopic studies using the microbial degradation of terpenoid compound	23 230 00	January 1, 1964
United States Atomic Energy Commission AT(11-1)-1018	Pattern recognition and data handling problems arising in the analysis of bubble chamber photographs of high energy particle events	327 737 00	January 1, 1964
United States Atomic Energy Commission AF(11-1)-1018	Pattern recognition and data handling problems arising in the analysis of bubble chamber photographs of high energy particle events	47 263 00	January 7, 1964
United States Atomic Energy Commission AT(11-1)-1142	Kinetic isotope effects and related chemical kinetic problems	35 640 00	February 1, 1964
United States Atomic Energy Commission AT(11-1)-11195	Elementary particle interactions in the high energy region	150 000 00	January 7, 1964
United States Atomic Energy Commission AT(11-1)-1198	Understanding the nature of materials, predominantly solids	217 000 00	January 3, 1964
United States Atomic Energy Commission AT(11-1)-1198	Understanding the nature of materials, predominantly solids	1 076 000 00	January 17, 1964
United States Navy NObs-77137	Evaluate the effects of subfactors as weld geometry undercutting and welding conditions on fatigue behavior of Hy-80-steels	1 310 00	February 3, 1964
United States Navy Nonr-1834(29)	Develop techniques and instrumentation for measuring acoustic attenuation	11 994 00	December 6, 1963
<i>Total</i>		<u>\$2 206 784 00</u>	

## Adjustments Made in 1963-64 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
George S. Grimmett & Co. (Plastering)	Seventeen items: \$129.69 deduct to \$580.00	\$1 818 00	January and February, 1964

## Summary

Amount to be paid to the University.....	\$2 722 745 00
Amount to be paid by the University.....	106 973 00

This report was received for record.

## INVESTMENT REPORT

## Report of the Finance Committee

(29) The Finance Committee reported the following changes in investments of endowment funds for the month of January, 1964:

## Pool

Purchase					
\$ 30 000	U. S. Treasury bonds	4 per cent	2/15/80	\$ 30 110 87	
21 000	U. S. Treasury bonds	4	8/15/72	21 205 47	
24/100 shares	Monsanto Chemical Co.			13 44	

**Report of the Comptroller**

The Comptroller reports the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

*Current Funds***Restricted Group (June 20, 1962)***Purchase*

\$1 000 000	U. S. Treasury bills	2/27/64	\$994 729 17
500 000	U. S. Treasury bills	3/26/64	497 566 11
600 000	U. S. Treasury bills	4/30/64	594 133 33
500 000	Ford Motor Credit Corp. notes	9/15/64	486 222 22
200 000	Household Finance Corp. notes	9/15/64	194 488 89
100 000	Harris Trust Certificates 3½ per cent of Deposit	11/12/64	100 000 00

*Exchange*

\$ 500 000	U. S. Treasury	3½ per cent	2/15/64 for
	Certificates of Indebtedness due		
500 000	U. S. Treasury notes	3½ per cent	8/13/65

*Construction Funds***Dentistry-Medicine-Pharmacy Building Auxiliary (December 16, 1953)***Purchase*

\$ 100 000	U. S. Treasury bills	4/23/64	\$ 99 115 28
25 000	U. S. Treasury bills	4/16/64	24 780 63
75 000	U. S. Treasury bills	4/16/64	74 341 87

*Sale*

\$ 75 000	U. S. Treasury bills	4/16/64	\$ 74 358 41
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**Assembly Hall (June 23, 1959, and March 17, 1962)***Purchase*

\$ 30 000	U. S. Treasury bills	4/15/64	\$ 29 724 36
78 000	U. S. Treasury bills	4/16/64	77 342 24

**Chicago — Congress Circle Union (June 19, 1963)***Purchase*

\$ 70 000	U. S. Treasury bills	3/19/64	\$ 69 568 18
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**Illini Union and Health Center (December 21, 1960)***Purchase*

\$ 17 000	U. S. Treasury bills	4/16/64	\$ 16 859 51
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**Orchard Downs (June 14, 1960)***Purchase*

\$ 67 000	U. S. Treasury bills	4/16/64	\$ 66 446 32
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**Orchard Downs Addition (May 24, 1962)***Purchase*

\$ 70 000	U. S. Treasury bills	3/12/64	\$ 69 671 39
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**Pennsylvania Avenue Residence Halls (June 21, 1961)***Purchase*

\$ 60 000	U. S. Treasury bills	4/16/64	\$ 59 498 33
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*Sinking Funds*

Housing Revenue Bonds (December 17, 1958; June 23 and October 21, 1959; June 14, 1960; June 21, 1961; and May 24 and October 17, 1962)

*Purchase*

\$ 704 000	U. S. Treasury bills	8/31/64	\$688 641 06
12 000	U. S. Treasury bills	8/31/64	11 738 20
62 000	U. S. Treasury bonds 2½ per cent	2/15/65	61 399 38

**Illini Union and Health Center (December 21, 1960)***Purchase*

\$ 6 000	U. S. Treasury bills	8/31/64	\$ 5 881 08
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**Men's Residence Halls of 1956 (September 18, 1956)****Purchase**

\$ 14 000	U. S. Treasury bonds	2 $\frac{3}{8}$ per cent	2/15/65	\$ 13 855 65
2 000	U. S. Treasury notes	3 $\frac{7}{8}$	5/15/65	2 002 50

**Women's Residence Halls of 1956 (September 18, 1956, and February 15, 1961)****Purchase**

\$ 35 000	U. S. Treasury notes	3 $\frac{3}{8}$ per cent	2/15/66	\$ 34 770 31
14 000	U. S. Treasury notes	4	8/15/66	14 035 00

**Men's Residence Halls of 1957 (March 12, 1957, and November 18, 1959)****Purchase**

\$ 81 000	U. S. Treasury notes	3 $\frac{7}{8}$ per cent	5/15/65	\$ 81 025 31
123 000	U. S. Treasury bonds	2 $\frac{5}{8}$	2/15/65	121 750 78

On motion of Mr. Swain, this report was received for record.

**EMPLOYMENT OF ARCHITECTS FOR LONG-RANGE  
STUDIES, URBANA-CHAMPAIGN**

(30) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of Harrison and Abramovitz, New York, New York, for architectural studies on long-range campus planning at Urbana-Champaign on special assignments as required. Compensation will be on a time cost basis for technical personnel at usual and customary hourly rates plus 150 per cent to cover overhead and profit.

Funds are available in the state capital appropriations to the University.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

**PUBLISHED STATEMENTS OF PROFESSOR REVILO P. OLIVER**

President Henry presented the following communications which were previously sent to the members of the Board of Trustees.

**TO THE MEMBERS OF THE BOARD OF TRUSTEES:**

On February 19 I reported to you that Mr. Revilo Oliver's widely publicized comments on President John F. Kennedy and the Federal Government had stimulated a massive public reaction which, in my view, required official notice.

You will recall that I stated that ordinarily the University takes no notice of a professor's comment or conduct as a citizen. His right to dissent, to express unorthodox views, and to criticize is protected by the tradition of academic freedom at the University of Illinois, in the academic world, and by the Statutes governing the University.

I also indicated, however, that observance of professional standards is expected, even within the protection of academic freedom, and that, in my view, Mr. Oliver's expressions on public affairs raised questions as to whether he has complied with these expectations. I indicated further that since, by custom, the consideration of such questions is a matter for professionals, I would ask the Urbana-Champaign Senate Committee on Academic Freedom and Tenure to review the situation and give me their advice.

The Board of Trustees, by formal action, endorsed my statement as making the following points:

1. Mr. Oliver did not speak for the University, its faculty, the administration, or this Board;
2. The University strongly supports the principles of academic freedom and established procedures which require that no action be taken without an opportunity for prior faculty consultation;
3. That the administration and the Board are now seeking faculty advice."

I now submit the report from the Urbana-Champaign Senate Committee on Academic Freedom and Tenure, unanimously adopted by that group, as follows:

March 6, 1964

President David D. Henry  
355 Administration (W)

DEAR PRESIDENT HENRY:

In your letter of February 21 addressed to the Chairman of our Committee you asked the Committee to review the "expressions on public affairs" contained in your statement to the Board of Trustees and to give you our advice "—as to whether University action of any kind concerning them or toward Professor Oliver because of them is indicated."

We commend you for asking the faculty, as represented by this Committee, to give you its counsel, but your request poses a difficult question for the Committee. On the one hand we wish to be helpful to you and to support the policy that administrative officers of the University consult with the faculty before making decisions on issues of concern to the academic community; but on the other hand we are confronted with the fact that our current University statutes do not appear to give our Committee, or any other faculty body, the authority to consult with the President in situations of this kind. Furthermore the Committee on academic freedom must by provisions in our University statutes afford a hearing to any staff member who feels that his academic freedom is being jeopardized; and also conduct a hearing and make recommendations when asked by a staff member against whom charges have been filed by the President, when such charges relate to the academic freedom of the staff member. It can be argued therefore that any judgment made by this Committee in response to your request would impair the ability of the Committee to act impartially when and if asked by the staff member to conduct a hearing on his behalf.

Despite these considerations the Committee has decided that it should respond to your request. To do otherwise would create the impression that the academic community at the University of Illinois is not concerned and that though the President wished to have the counsel of the faculty he could not get it. We know the academic community at the University of Illinois is concerned, and we refuse to accede to the unhappy and anomalous conclusion that the President has no right to confer with a responsible faculty committee about problems of great concern to the University and on which he must make decisions. We wish there were clear channels for such consultation and we would note in passing that when the proposed statutory revisions become effective such channels will exist.

The exercise of academic freedom rights and privileges by a faculty is not without its price to a university, but the benefits greatly outweigh the costs. The public frequently does not realize why academic freedom is such a cherished value, and is so zealously guarded, by the academic community of scholars. In the furtherance of a university's educational objectives of exploring new fields, developing and transmitting new ideas, pushing forward the frontiers of knowledge, in short, in the search for the eternal verities, *administrative* restraint on the scholar searching for these truths must be avoided. If, in the exercise of this protected freedom of research and expression, and despite the statutory admonition that a professor is expected to observe professional standards of "accuracy, forthrightness, and dignity befitting his association with the university and his position as a man of learning," abuses of this privilege occur, restraints on such abuses must normally be provided by the adverse judgment of the individual's *professional* colleagues. He must withstand the full glare of critical *professional* judgment and condemnation for unprofessional, undignified, unsupported, or offensive utterances. He must have the right to be as ungloriously wrong, and suffer the *professional* consequences thereof, as to be gloriously right and receive the acclaim of his *professional* colleagues therefore. Thus when abuses occur, and the public image of a great university is somewhat tarnished as a result thereof, it must be recognized that the larger gain is in the brighter image of the university presented to the scholarly world of an institution dedicated to the advancement of knowledge and learning, and one willing to pay the price for strict adherence to this ideal.

In view of these considerations, therefore, our Committee advises you:

1. That it approves your statement to the Board of Trustees on February 19, 1964.
2. That action of any kind concerning these expressions or toward Professor Oliver because of them is not indicated.

BRUCE L. HICKS  
ROBERT W. JOHANNSEN  
DRIVER B. LINDSAY  
CHARLES H. BOWMAN  
ELWOOD F. REBER  
HAROLD W. HANNAH  
E. B. McNATT, *Chairman*  
*Urbana-Champaign Senate Committee*  
*on Academic Freedom and Tenure*

It should be noted that my February 19, 1964, statement to the Board of Trustees, which the Committee has approved, contains the following paragraph:

"That Mr. Oliver's views are not shared by this academic community is certain. I believe my colleagues agree, as I said earlier, that his unsupported accusations, and his unreasoned and vitriolic attack on the character and patriotism of President Kennedy are beyond the bounds of good taste in public comment and the normal proprieties of public debate."

I concur in the advice of the Committee.

I would add that I deplore the nature and manner of Mr. Oliver's comments which to so many appear to violate the canon that a faculty member in exercising his freedom of speech as a citizen should be mindful "that accuracy, forthrightness, and dignity befit his association with the University and his position as a man of learning." This appraisal is widely shared but I do not believe that it is adequate grounds for my filing disciplinary charges against Mr. Oliver.

DAVID D. HENRY  
*President*

On motion of Mr. Johnston, the President's report was approved by the Board.

Mr. Dilliard voted "No" and asked that the following explanation of his vote be included in the record:

March 18, 1964

MR. PRESIDENT: The Board of Trustees of the University of Illinois has before it at this time the most difficult, complex, distasteful, and embarrassing problem that has confronted the Board in the nearly four years since I was elected a Trustee. From coast to coast the good name of the University of Illinois has been associated inevitably with an outrageous attack on the loyalty of an assassinated President who, as it happens, almost lost his life in the heroic service of our country in World War II. After the first attack and since we took action concerning it at our February 19 meeting, the same member of the University's faculty has leveled a similar assault on the integrity of the Chief Justice of the United States. In each case the publication appeared in a magazine connected with the John Birch Society.

As a citizen of Illinois, as well as a member of this Board, I support fully the fundamental principle of academic freedom, founded on the historic American guarantee of freedom of mind and speech, with the widest possible latitude for every University of Illinois scholar to inquire and expound, in the light of his intelligence and of his learning, and according to his conscience. I also recognize, and, in so far as it may be my official duty to do so, I encourage the separate role of the university scholar as a participating citizen in a society of many differing attitudes and opinions. At the same time, I regard the academic man's search for truth, with its scrupulous documentation of supporting evidence as the indispensable hallmark of accurate and trustworthy research by the university teacher and scholar. Freedom of inquiry is both cherished and right and unshirkable responsibility. Nowhere is this more true than on a university faculty dedicated to the education of citizens and the advancement of knowledge.



I appreciate, in the statement before us the careful thought and earnest deliberation on the part of the President of the University and of its Committee on Academic Freedom and Tenure. However, the statement does not go far enough for me in three major respects:

*First*, it does not declare with sufficient fervor for me the devotion of the University of Illinois to free inquiry and expression.

*Second*, it does not sufficiently for me disavow and disassociate the University of Illinois from the disgraceful reflections against the martyred President and the sitting Chief Justice of the United States who is now conducting an investigation of that still shocking tragedy.

*Third*, it does not assert with sufficient force for me that a University of Illinois scholar, be his field Greek and Latin or current history and contemporary political science, has an obligation to back up his conclusions with weighed and tested facts. If there is proof let it be forthcoming in the spirit and method of true academic inquiry and scholarship. If proof is not forthcoming let that be established for all to see.

I know of no way to vote for the resolution before us and at the same time express what are to me these most important considerations which I have just enumerated.

The vote I will cast is not in any way a criticism of the quality or sincerity of the statement before us. I admire both the quality and the sincerity. Neither will my vote constitute in any way an opinion in advance on any proceeding that may or may not arise later. And so with reluctance and for the reasons stated I will vote no. I request that this account of my position be a part of the record of the vote I cast in order that there be no misunderstanding.

IRVING DILLIARD

### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, declinations, cancellations, and terminations; leaves of absence; appointment changes in Athletic Association staff approved by the President.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

- ALLEN, JOHN W., Assistant in Economics,  $\frac{1}{2}$  time, \$1,137.51, and Research Assistant in Finance,  $\frac{1}{2}$  time, \$1,050, February 1-June 15, 1964, supersedes (2-5-64).
- ALSOBROOK, JAMES M., JR., Visiting Assistant Professor of Psychology, for two months from February 1, 1964, \$653.33 a month, and for five months from April 1, 1964,  $\frac{2}{3}$  time, \$490.00 a month, supersedes (3-3-64).
- ATAC, MUZAFFER, Research Assistant in Physics (C), seven months from February 1, 1964, \$3,500 (2-6-64).
- BAKRI, (MISS) MAARIB, Research Assistant in Botany, February 1-June 15, 1964, \$2,100 (2-6-64).
- BARTHEL, HAROLD O., Associate Professor of Aeronautical and Astronautical Engineering (C),  $\frac{1}{2}$  time, two months from June 16, 1964, \$1,212; this is in addition to his present appointment (2-7-64).
- BARTKY, SANDRA S., Instructor in Philosophy (Chicago Undergraduate Division),  $\frac{5}{8}$  time, to render service during the second semester of the academic year, 1963-64, \$2,500, supersedes (2-27-64).
- BASU, GOBINDA L., Research Associate in Chemistry, December 16, 1963-August 31, 1964, \$6,800 a year (2-7-64).
- BAUER, EDWARD E., Professor of Civil Engineering (C), nine months from September 16, 1963, \$10,000, supersedes appointment dated July 24, 1963 (2-4-64).
- BENKERT, KYLE G., Instructor in Architecture (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the second semester of the academic year, 1963-64, \$2,000 (2-27-64).
- BEZKOROVAINY, GEORGY, Research Assistant in Civil Engineering (C), February 1-June 15, 1964, \$2,300, supersedes (2-6-64).

- BHAN, SURAJ, Research Associate in Metallurgical Engineering (C),  $\frac{1}{2}$  time, one year from September 1, 1964, \$3,500 (2-7-64).
- BLAYLOCK, WILLIAM C., Assistant Professor of Spanish, to render service during the second semester of the academic year, 1963-64, \$3,350; and for the academic year beginning September 1, 1964, \$6,700, supersedes (3-3-64).
- BLUMENTHAL, SHIRLEE, Instructor in English (Chicago Undergraduate Division), to render service during the second semester of the academic year, 1963-64, \$2,600 (2-24-64).
- BOKENKAMP, ROBERT W., Instructor in General Engineering (C),  $\frac{1}{2}$  time, two months from June 16, 1964, \$934; this is in addition to his present appointment, and to his Summer Session appointment on  $\frac{1}{2}$  time (2-7-64).
- BOROWSKI, JOSEPH F., Assistant in the Graduate School of Library Science, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (2-18-64).
- BOYER, PAUL, Research Assistant in Geology, June 15-June 30, 1964, \$233.33 (2-6-64).
- BOYER, STANTON L., Research Assistant in Chemistry, seven months from February 1, 1964, \$3,004.19 (2-24-64).
- BOYLE, MRS. JUDITH E., Research Assistant in Education (University High School Mathematics Project),  $\frac{1}{2}$  time, eight months from January 1, 1964, \$1,716.64, supersedes full-time appointment (2-6-64).
- BRANDT, KENNETH D., Assistant in Medicine (Medicine), six months from January 1, 1964, without salary (2-14-64).
- BURGES, ANTHONY W., Instructor in Geography (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the second semester of the academic year, 1963-64, \$1,500 (2-27-64).
- BURNS, KENNETH, Associate Professor of Speech and Theatre, Summer Session of 1964, June 15-August 8, 1964, \$1,956 for the period, supersedes previous Summer Session appointment on  $\frac{1}{2}$  time (2-11-64).
- CANTWELL, FREDERICK F., Assistant in Chemistry,  $\frac{1}{2}$  time, and Research Assistant in Chemistry,  $\frac{1}{2}$  time, February 1-June 15, 1964, \$2,100, supersedes (2-24-64).
- CARD, LESLIE E., Professor of Animal Science (S), one month from February 1, 1964, \$500 (2-3-64).
- CARPER, MRS. GLADYS, House Director, Alpha House, five months from February 1, 1964, \$1,150; for the convenience of the University, she will also receive room and meals while the dining rooms are in operation (2-21-64).
- CARR, KENNETH R., Instructor in Electrical Engineering (C), 17/100 time, \$450, and Instructor in Electrical Engineering (C) (Research),  $\frac{1}{2}$  time, to render service during the second semester of the academic year, 1963-64, supersedes (2-7-64).
- CARSON, RAYMOND F., Graduate Resident Assistant, Weston Hall,  $\frac{1}{4}$  time, February 1-June 30, 1964, \$225, and Assistant in Physical Education for Men,  $\frac{3}{4}$  time, February 1-June 15, 1964, \$1,575, supersedes (2-4-64).
- CASLER, DARWIN J., Assistant Professor of Accountancy,  $\frac{1}{2}$  time, two months from June 16, 1964, \$1,000; this is in addition to his present appointment (2-4-64).
- CHANDRAN, RAMAN S., Research Assistant in Entomology, February 1-June 15, 1964, \$2,300, supersedes (2-6-64).
- CHAPDU, ROBERT E., Instructor in English, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$645 for the period (2-20-64).
- CHEN, WAI-KAI, Research Associate in the Coordinated Science Laboratory (C),  $\frac{1}{2}$  time, seven months from February 1, 1964, \$3,050 a year, supersedes (2-11-64).
- COHEN, LEONARD S., Research Assistant in Chemical Engineering (S), one month from February 1, 1964, \$541.67, supersedes (2-7-64).
- COLE, DENNIS E., Registered Pharmacist in Hospital Pharmacy (Pharmacy), seven months from February 1, 1964, \$7,000 a year (2-8-64).
- CONSIDINE, RICHARD H., Clinical Assistant in Medicine (Medicine), eight months from January 1, 1964, without salary (2-3-64).
- CRACKEL, WALTER C., Research Assistant in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), February 10-August 31, 1964, \$3,121.86 (2-25-64).
- CROWDER, JAMES R., Research Assistant in the Coordinated Science Laboratory (C), seven months from February 1, 1964, \$3,616.69, supersedes (2-21-64).

- DAVIS, EARL E., Visiting Instructor in Psychology, February 1-June 15, 1964, \$3,300, supersedes (2-7-64).
- DAWSON, DAVID A., Project Assistant in the State Natural History Survey and in the Graduate College, six months from March 1, 1964, \$2,400 (2-17-64).
- DAY, MRS. PHYLLIS M., Assistant in Education (University High School), February 1-June 15, 1964, \$2,650 (2-6-64).
- DIEHL, DOROTHY M., Project Assistant in the State Natural History Survey and in the Graduate College, four months from March 1, 1964, \$1,140 (2-24-64).
- DOTY, DABNEY B., Instructor in Vocational and Technical Education,  $\frac{1}{4}$  time, February 1-June 15, 1964, \$750 (2-3-64).
- DUBOIS, WILLIAM R., Assistant in English, February 1-June 15, 1964, \$2,100, supersedes (2-18-64).
- EL-ASHRY, MOHAMED T., Research Assistant in Geology, June 16-June 30, 1964, \$233.33 (2-6-64).
- FAIR, ARMOR J., Instructor in Management (Chicago Undergraduate Division), June 19-August 14, 1964, \$1,556; this is in addition to his present appointment (2-4-64).
- FELTON, RICHARD P., Instructor in Business English, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$656 for the period (2-20-64).
- FERBER, MRS. MARIANNE A., Lecturer in Economics, February 1-June 15, 1964, \$888.89 a month (2-11-64).
- FERDMAN, NADINE, Research Assistant in Chemistry, seven months from February 1, 1964, \$3,004.19, supersedes (2-21-64).
- FOLSOM, ANGELA T., Consultant in Psychology,  $\frac{1}{3}$  time, to render service during the second semester of the academic year, 1963-64, \$3,000 a year (2-11-64).
- FRIEDLAND, SIGMUND W., Clinical Assistant in Medicine (Medicine), eight months from January 1, 1964, without salary (2-3-64).
- FUMENTO, ROCCO L., Assistant Professor of English, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$889 for the period (2-20-64).
- GARDNER, KARL E., Chief of Party and Adviser to the Principal of the Njala University College, for service under Contract USAID/AFE 132 at the Njala College, Sierra Leone, for one month beginning February 1, 1964, \$1,672.92; and Professor of Nutrition (Dairy Science), indefinite tenure, and Associate Dean of the College of Agriculture, beginning March 1, 1964, and continuing through August 31, 1965, \$18,250 a year, supersedes (2-12-64).
- GARLINGHOUSE, BURTON A., Visiting Lecturer in Music, Summer Session of 1964, June 15-August 8, 1964, \$2,500 for the period (2-20-64).
- GEORGIOULIS, EVANGELOS A., Clinical Assistant in Medicine (Medicine), seven months from February 1, 1964, without salary (2-14-64).
- GILBERT, DAVID B., Visiting Instructor in Music (Flute), February 1-June 15, 1964, \$3,010.15 (3-3-64).
- GOLDAN, PAUL D., Research Associate in Electrical Engineering (C), seven months from February 1, 1964, \$8,500 a year (2-27-64).
- GRIDLEY, ROY E., Assistant in English,  $\frac{1}{3}$  time, February 1-June 15, 1964, \$767, supersedes full-time appointment (2-7-64).
- GRIEGO, RICHARD J., Research Assistant in Mathematics, June 16-August 15, 1964, \$933.32 (2-3-64).
- GRITZ, NORMAN J., Instructor in Foreign Languages (Chicago Undergraduate Division),  $\frac{3}{4}$  time, to render service during the second semester of the academic year, 1963-64, \$1,875 (2-17-64).
- GRUNER, BARBARA J., Research Assistant in Plant Pathology (C), January 16-August 31, 1964, \$3,256.96 (2-12-64).
- GUITHER, HAROLD D., Chief of Party and Adviser on Agricultural Communications for service under Contract USAID/NESA-64 J, in the Ministry of Agriculture, Amman, Jordan, December 23 through December 30, 1963, and January 4, 1964, through December 31, 1965, \$12,000 a year; and Extension Editor, with rank of Associate Professor of Agriculture, on indefinite tenure beginning December 31, 1963, and continuing through January 3, 1964, at a salary of \$10,900 a year, and beginning January 1, 1966, at a salary to be determined in the budget for 1965-66, supersedes (1-2-64).
- HAILE, HARRY, Associate Professor of Germanic Languages and Literatures, Summer Session of 1964, June 15-August 8, 1964, \$2,334 for the period, supersedes previous Summer Session appointment (2-20-64).

- HALEY, MRS. PAMELA V., Instructor in Medical Social Work (Medicine),  $\frac{1}{2}$  time, six months from March 1, 1964, \$4,300 a year, supersedes (2-4-64).
- HALFORD, GARY R., Instructor in Theoretical and Applied Mechanics (C),  $\frac{3}{4}$  time, to render service during the second semester of the academic year, 1963-64, \$1,966.92, supersedes (2-6-64).
- HART, HYMEN H., Assistant in English, February 1-June 15, 1964, \$2,200, supersedes (2-18-64).
- HARTDAGEN, GERALD E., Instructor in History (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the second semester of the academic year, 1963-64, \$1,300 (2-27-64).
- HAY, RALPH C., Professor of Agricultural Engineering and Adviser to Dean of Agricultural Engineering Technology, for service under Contract AIDc-1238 at the U. P. Agricultural University, Pant Nagar, U. P.; India, for five months from February 1, 1964, \$16,000 a year; and Professor of Agricultural Engineering, College of Agriculture, indefinite tenure from July 1, 1964, supersedes (2-18-64).
- HINDS, FRANK C., Assistant Professor of Animal Science (C and S), seven months from February 1, 1964, \$9,400 a year, supersedes (2-6-64).
- HOFFMAN, ALLEN, Clinical Instructor in Medicine (Medicine), one year from September 1, 1963, without salary (2-26-64).
- HUDSON, JANETTE C., Assistant in Germanic Languages, February 1-June 15, 1964, \$2,100 (2-25-64).
- HUNG, MRS. WINIFRED H., Acquisition Assistant in the Library, seven months from February 1, 1964, \$3,208.31 (2-11-64).
- IBUKI, KIMIO, Visiting Research Associate in the Digital Computer Laboratory, March 16-June 15, 1964, \$2,166.66 (2-25-64).
- JAEGER, ROBERT T., Instructor in Architecture (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the second semester of the academic year, 1963-64, \$2,000 (2-27-64).
- JONES, LAWRENCE E., Research Assistant in Psychology, February 1-June 15, 1964, \$2,100 (2-7-64).
- KACHRU, BRAJ B., Research Associate in Linguistics, October 16, 1963-August 31, 1964, \$6,100 a year, supersedes (2-7-64).
- KAWATRA, M. P., Research Associate in Physics (C), three months from June 1, 1964, \$750 a month (2-21-64).
- KIESERMAN, DAVID H., Assistant in the Division of General Studies, February 1-June 15, 1964, \$2,100, supersedes (2-18-64).
- KILLIAN, THOMAS J., Instructor in Electrical Engineering (C), February 1-June 15, 1964, \$1,300, supersedes (2-6-64).
- KINGERY, ROSS A., Associate Editor of Engineering Publications, College of Engineering, one year from September 1, 1963, \$9,200, supersedes (2-3-64).
- KLASSEN, FRANK H., Teacher Training Adviser, for service under Contract USAID/AFE at the Njala University College, Sierra Leone, for two years from March 1, 1964, \$12,100 a year, supersedes (2-26-64).
- KRAUSE, ALBERT H., JR., Counselor in Student Affairs, Housing, Medical Center, Chicago, 15/100 time, February 1-June 15, 1964, \$600 (2-24-64).
- KRIZAN, THOMAS F., Assistant Professor of Physical Education for Men,  $\frac{3}{4}$  time, June 16-August 6, 1964, \$1,325; this is in addition to his present appointment (2-4-64).
- LANKARD, DAVID R., Research Assistant in Ceramic Engineering (C), seven months from February 1, 1964, \$3,500 (2-3-64).
- LATHRAP, DONALD W., Assistant Professor of Anthropology, two months from June 16, 1964, \$1,878; this is in addition to his present appointment (2-7-64).
- LEARY, DENNIS J., Research Assistant in Civil Engineering (C), one month from February 1, 1964, \$600 (2-27-64).
- LEGGETT, A. J., Research Associate in Physics (C), one year from September 1, 1964, \$8,000 (2-21-64).
- LEVY, EDWARD R., Instructor in English,  $\frac{2}{3}$  time, February 1-June 15, 1964, \$3,467, supersedes (2-28-64).
- LISTON, WILLIAM T., Assistant in English, February 1-June 15, 1964, \$2,200, supersedes (2-20-64).
- LIV, WILLIAM Y., Serials Assistant in the Library, February 11-August 31, 1964, \$3,050.27 (2-11-64).

- LOCKHART, JOHN, Assistant in Psychiatry (Medicine), one year from September 1, 1963, without salary (2-14-64).
- LOFTUS, RICHARD J., Assistant Professor of English, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$834 for the period (2-20-64).
- MADISON, JAMES M., Instructor in Marketing (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the second semester of the academic year, 1963-64, \$1,550, supersedes (2-27-64).
- MAGANINI, ROBERT J., Clinical Instructor in Surgery (Medicine), seven months from February 1, 1964, without salary (2-11-64).
- MARTIA, DOMINIC F., Assistant in English (Chicago Undergraduate Division), February 1-June 15, 1964, \$2,200 (2-21-64).
- MARX, WERNER, Assistant Professor of Germanic Languages and Literatures, Summer Session of 1964, June 15-August 8, 1964, \$1,589 for the period (2-11-64).
- MATSUMOTO, HIDEO, Research Associate in Pathology (Medicine), four months from February 1, 1964, \$6,100 a year, supersedes (2-18-64).
- MATSUMOTO, YORMI, Research Assistant in Physiology and Biophysics, seven months from February 1, 1964, \$3,004.19 (2-7-64).
- MATUZEK, MRS. IDA S., Head Resident, Busey Hall, January 26-March 15, 1964, \$480 a month; for the convenience of the University she will also receive an apartment and meals while the dining rooms are in operation (2-11-64).
- MCQUISTON, IAN B., Research Assistant in Geology, June 16-June 30, 1964, \$233.33 (2-6-64).
- MELHORN, WILTON N., Visiting Lecturer in Geology, Summer Session of 1964, June 15-August 8, 1964, \$2,000 for the period (2-20-64).
- MILES, MAURICE H., Research Associate in Metallurgical Engineering (C), six months from March 1, 1964, \$8,500 a year, supersedes (2-7-64).
- MILLER, ARNOLD L., Assistant Professor of Psychology,  $\frac{1}{2}$  time, to render service during the second semester of the academic year, 1963-64, \$4,350 a year, supersedes (2-7-64).
- MUELLER, HENRY L., Professor of Speech and Theatre, Summer Session of 1964, June 15-August 8, 1964, \$2,223 for the period, supersedes his previous Summer Session appointment (2-11-64).
- MULVIHILL, RICHARD J., Instructor in Physical Education for Men,  $\frac{1}{2}$  time, two months from June 16, 1964, \$589; this is in addition to his present appointment (2-4-64).
- NIEDERMAN, SARA C., Instructor in English (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the second semester of the academic year, 1963-64, \$1,800 (2-24-64).
- OPPENHEIMER, ZELDA V., Assistant in Foreign Languages (Chicago Undergraduate Division), February 1-June 15, 1964, \$2,500 (2-10-64).
- ORTOLANO, THOMAS R., Research Associate in Chemistry, one year from September 1, 1964, \$6,800 (2-3-64).
- PANTONE, ANTON M., Clinical Associate Professor of Radiology (Medicine),  $\frac{1}{4}$  time, five months from February 1, 1964, \$316.67 a month (2-11-64).
- PARKER, ADAM D., Instructor in Recreation and Municipal Park Administration, Summer Session of 1964,  $\frac{3}{4}$  time, June 15-August 8, 1964, \$1,176 for the period, supersedes previous Summer Session appointment on  $\frac{1}{2}$  time (2-24-64).
- PAUL, FLORENCE, Research Assistant in Animal Science (S), seven months from February 1, 1964, \$3,033.31, supersedes (2-17-64).
- PENNY, WILLIAM J., Instructor in Physical Education for Men,  $\frac{3}{8}$  time, two months from June 16, 1964, \$733; this is in addition to his present appointment (2-4-64).
- PFEIFFER, ROBERT J., Research Assistant in Electrical Engineering (C),  $\frac{1}{2}$  time, seven months from February 1, 1964, \$1,545.81; and Assistant in Electrical Engineering (C),  $\frac{1}{2}$  time, February 1-June 15, 1964, \$1,084.10, supersedes (2-24-64).
- POLLOCK, MICHAEL L., Instructor in Physical Education for Men,  $\frac{3}{8}$  time, two months from June 16, 1964, \$840; this is in addition to his present appointment (2-4-64).
- PU, MRS. LENA CHANG, Research Assistant in Mathematics, two months from June 16, 1964, \$933.32 (2-4-64).

- RACSTER, RONALD L., Assistant in Finance,  $\frac{1}{2}$  time, \$1,050, and Research Assistant in Finance,  $\frac{1}{2}$  time, \$1,050, February 1-June 15, 1964, supersedes (2-6-64).
- RAGADE, INDIKANTH S., Research Associate in Chemistry, January 27-August 31, 1964, \$6,100 a year, supersedes (2-11-64).
- RAYNAK, MRS. ELEANOR R., Registered Pharmacist in Hospital Pharmacy (Pharmacy), February 10-August 31, 1964, \$7,400 a year (2-27-64).
- READ, MRS. MARGARET K., Assistant Editor in the Graduate College, February 17-August 31, 1964, \$5,500 a year (2-26-64).
- REILLY, ROBERT C., Assistant in Mathematics (Chicago Undergraduate Division), February 1-June 15, 1964, \$2,400 (2-21-64).
- ROBINSON, T. THACHER, Instructor in Mathematics, February 1-June 15, 1964, \$3,600 (3-3-64).
- RODRIGUEZ, MANUEL V., Assistant in Anesthesiology, Department of Surgery (Medicine), January 24-June 30, 1964, without salary (2-27-64).
- ROGERS, DONALD P., Professor of Botany, Summer Session of 1964, June 15-August 8, 1964, \$3,112 for the period (2-20-64).
- RUSSELL, RONALD L., Research Assistant in the Center for Zoonoses Research (College of Veterinary Medicine), five months from February 1, 1964, \$2,414.60 (2-25-64).
- RYAN, DAVID G., Professor of Mechanical Engineering (C),  $\frac{1}{2}$  time, two months from June 16, 1964, \$1,523; this is in addition to his present appointment (2-7-64).
- SABEL, CHARLES L., Instructor in Psychology (Chicago Undergraduate Division), to render service during the second semester of the academic year, 1963-64, \$2,850, supersedes (2-27-64).
- SALOMON, LAWRENCE, Instructor in Art (Chicago Undergraduate Division),  $\frac{2}{3}$  time, to render service during the second semester of the academic year, 1963-64, \$2,000 (2-8-64).
- SAMACHSON, JOSEPH, Assistant Professor of Biological Chemistry (Medicine),  $\frac{24}{100}$  time, seven months from February 1, 1964, \$3,000 a year, supersedes nonsalaried appointment (3-3-64).
- SATOH, MITSUO, Research Associate in Physics (C), one year from September 1, 1964, \$8,000 (2-7-64).
- SAVORY, PAUL B., Instructor in Radiology (Medicine), seven months from February 1, 1964, without salary (2-26-64).
- SCHLOSSER, ECKART, Research Associate in Plant Pathology (S), six months from March 1, 1964, \$6,100 a year (2-20-64).
- SCHMITT, RONALD E., Assistant in Architecture, February 1-June 15, 1964, \$2,100 (2-1-64).
- SCHWARZ, ENRIQUE, Clinical Assistant Professor of Radiology, and Assistant Radiologist (Research and Educational Hospitals), College of Medicine,  $\frac{1}{10}$  time, seven months from February 1, 1964, \$1,520, supersedes (2-4-64).
- SHAFER, PAUL R., Professor of Geology, Summer Session of 1964, June 15-July 25, 1964, \$2,667 for the period, supersedes previous Summer Session appointment (2-20-64).
- SHARMA, SUSHIL DUA, Visiting Assistant Professor of Psychology,  $\frac{2}{3}$  time, to render service during the second semester of the academic year, 1963-64, \$5,200 a year, supersedes (2-11-64).
- SMITH, HELEN L., Visiting Lecturer in Social Sciences (Chicago Undergraduate Division), to render service during the second semester of the academic year, 1963-64, \$4,250 (2-17-64).
- SPRENKLE, CASE M., Assistant Professor of Economics and Assistant Dean of the College of Commerce and Business Administration,  $\frac{1}{2}$  time, two months from June 16, 1964, \$1,078; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{2}$  time (2-4-64).
- STEIN, HERBERT J., Assistant Professor of Electrical Engineering (Chicago Undergraduate Division), to render service during the second semester of the academic year, 1963-64, \$4,500 (2-12-64).
- STEWART, DONALD C., Assistant Professor of English, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$789 for the period (2-20-64).
- STILLERMAN, JOSEPH J., Research Associate in Dentistry (Dentistry),  $\frac{1}{2}$  time, eight months from January 1, 1964, \$1,500 a year (2-18-64).

- STORM, GERALD L., Field Ecologist in the State Natural History Survey and in the Graduate College,  $\frac{3}{4}$  time, four months from February 1, 1964, \$312 a month, supersedes (3-3-64).
- TAKANO, TADAO, Instructor in Art (Chicago Undergraduate Division),  $\frac{5}{8}$  time, to render service during the second semester of the academic year, 1963-64, \$2,500 (2-24-64).
- TSALOFF, VICTOR N., Assistant in Radiology (Medicine), one year from September 1, 1963, without salary (2-3-64).
- TUTTLE, PRESTON H., Instructor in English,  $\frac{3}{4}$  time, to render service during the second semester of the academic year, 1963-64, \$2,267 (2-26-64).
- VANNOY, JOSEPH S., Research Assistant in Psychology, February 1-June 15, 1964, \$2,100, supersedes (2-24-64).
- VON LEHMEN, ALICE A., Research Assistant in Electrical Engineering (C), seven months from February 1, 1964, \$3,616.69 (2-3-64).
- WESLEY, THOMAS D., Instructor in Dentistry (Dentistry),  $\frac{1}{2}$  time, January 13-August 31, 1964, \$3,750 a year (2-11-64).
- WESTEMEIER, RONALD L., Project Assistant in the State Natural History Survey and in the Graduate College, five months from February 1, 1964, \$2,166.65 (2-26-64).
- WHITE, GEORGE W., Professor of Geology, Summer Session of 1964, July 27-August 8, 1964, \$1,067 for the period, supersedes previous Summer Session appointment (2-20-64).
- WHITMER, ROGER G., Lecturer on Materials and Methods of Construction (Chicago Undergraduate Division),  $\frac{1}{2}$  time, to render service during the second semester of the academic year, 1963-64, \$1,500 (2-7-64).
- WOLFE, SHARON, Research Associate in the Institute of Communications Research (College of Journalism and Communications), and Research Associate in Psychology (College of Liberal Arts and Sciences), to render service during the second semester of the academic year, 1963-64, \$2,700, supersedes (2-11-64).
- YUDIN, FLORENCE L., Assistant in Spanish, February 1-June 15, 1964, \$2,100, supersedes (2-28-64).
- ZELAN, JOSEPH, Instructor in Sociology (Chicago Undergraduate Division), to render service during the second semester of the academic year, 1963-64, \$3,000 (2-27-64).
- ZEWADSKI, ROBERT M., Instructor in Business English, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$589 for the period (2-20-64).
- ZUKAUSKAS, O. EUGENIJA M., Assistant in Anesthesiology, Department of Surgery (Medicine), six months from January 1, 1964, without salary (2-14-64).

#### FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- ADAMS, GEORGE-ANN, Vocational Rehabilitation Administration Fellow (Trainee) in Speech, seven months from February 1, 1964, \$1,200 (2-18-64).
- BROWN, FREDERICK S., United States Public Health Service Fellow (Trainee) in Chemistry, February 1-June 15, 1964, \$1,100 (2-12-64).
- DEARMOND, M. KEITH, United States Public Health Postdoctoral Fellow (Trainee) in Chemistry, in the Graduate College, seven months from February 1, 1964, \$3,791.62 (2-7-64).
- FRIEDLAND, JOAN M., United States Public Health Service Fellow (Trainee) in Chemistry, February 1-June 15, 1964, \$1,100 (2-4-64).
- FURUMOTO, HOWARD H., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from January 16, 1964, \$6,000 (1-28-64).
- GALLUZZI, V. NICHOLAS, United States Public Health Service Fellow (Trainee) in Physiology and Biophysics, five months from February 1, 1964, \$1,110.85 (12-31-63).
- HOLMES, PETER K., United States Public Health Service Fellow (Trainee) in Microbiology, five months from February 1, 1964, \$1,333.35 (1-30-64).
- HUTSON, PHILLIP L., Fellow in History, nine months from September 16, 1963, \$2,000; and two months from June 16, 1964, \$250, supersedes (2-3-64).
- KEMP, MARWIN K., United States Public Health Service Fellow (Trainee) in Chemistry, seven months from February 1, 1964, \$1,400 (1-31-64).

- KNOPP, JAMES A., United States Public Health Service Fellow (Trainee) in Chemistry, seven months from February 1, 1964, \$1,575 (2-12-64).
- KOMATSU, RYUJI, Keio-Illinois Exchange Fellow in Labor and Industrial Relations, February 1-June 15, 1964, \$750 (2-4-64).
- LAURSEN, RICHARD A., United States Public Health Service Predoctoral Fellow in Chemistry, six months from February 1, 1964, \$1,100 (2-1-64).
- LEIR, CHARLES M., Hoffman-LaRoche Teaching Fellow in Chemistry, February 1-June 15, 1964, \$1,050 (2-18-64).
- MAISCH, WELDON F., United States Public Health Service Fellow (Trainee) in Microbiology, five months from February 1, 1964, \$1,250 (1-28-64).
- MUSLINER, WALTER J., Hoffman-LaRoche Fellow in Chemistry, February 1-June 15, 1964, \$1,100 (2-14-64).
- NIELSEN, LINDA A., Charles E. Merriam Fellow in Political Science, February 1-June 15, 1964, \$750 (2-1-64).
- NING, ROBERT Y., Hoffman-LaRoche Teaching Fellow in Chemistry, February 1-June 15, 1964, \$1,100 (2-18-64).
- PAINTER, GENEVIEVE, Vocational Rehabilitation Administration Fellow (Trainee) in Recreation and Municipal Park Administration, February 1-June 15, 1964, \$900 (2-12-64).
- SILVERGLADE, LEE B., United States Public Health Service Fellow (Trainee) in Oral Pathology, December 6, 1963-June 30, 1964, \$4,254, supersedes (12-16-63).
- TAYLOR, PAUL L., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from February 1, 1964, \$5,500 (2-3-64).
- WANTLAND, LARRY, Lauterbach Memorial Fellow in Food Science, four months from February 1, 1964, \$833.32 (2-12-64).
- WILDE, CARROLL O., National Science Foundation Mathematics Institute Teaching Fellow in Mathematics, February 1-June 15, 1964, \$1,155 (2-12-64).

#### RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS

- ANNER, GEORGE E., Professor of Electrical Engineering, Summer Session of 1964—declination effective June 15, 1964.
- ARLON, ARY J., Instructor in Art, Summer Session of 1964—declination effective June 15, 1964.
- BALLUFFI, ROBERT W., Professor of Physical Metallurgy—resignation effective September 1, 1964.
- BARDOS, ANDRAS M., Teaching Fellow in Physics—resignation effective February 1, 1964.
- BUNGERT, WILLIAM C., Assistant in Elementary Education, Summer Session of 1964—declination effective June 15, 1964.
- COLWELL, RICHARD J., Assistant Professor of Music, Summer Session of 1964—declination effective June 15, 1964.
- CREWS, JANICE M., Instructor in Speech (Chicago Undergraduate Division), Summer Session of 1964—declination effective June 19, 1964.
- CRUMLISH, BRIAN J., Research Associate in the Small Homes Council-Building Research Council—resignation effective February 16, 1964.
- DIAMOND, DALE M., Research Associate in the Coordinated Science Laboratory—termination effective December 1, 1963.
- DJORUP, FRANS M., JR., Assistant Professor of Mathematics—resignation effective February 1, 1964.
- EDWARDS, WILLIAM R., Research Associate in the State Natural History Survey and in the Graduate College—resignation effective February 1, 1964.
- FLEMING, ROBEN W., Professor of Law—resignation effective September 1, 1964.
- FOX, ANN M., Instructor in the Graduate School of Library Science, Summer Session of 1964—declination effective June 15, 1964.
- GALLO, FRANK, Assistant Professor of Art, Summer Session of 1964—declination effective June 15, 1964.
- GIORDANO, CHARLES, Instructor in Germanic Languages and Literatures, Summer Session of 1964—declination effective June 15, 1964.
- GRUNER, BARBARA J., Research Assistant in the State Water Survey and in the Graduate College—termination effective January 1, 1964.
- GUCKEL, HENRY, Research Associate in the Digital Computer Laboratory—resignation effective April 21, 1964, 12:00 noon.



- GUNTER, FRANK E., Instructor in Art, Summer Session of 1964—declination effective June 15, 1964.
- HALL, WILLIAM J., Professor of Civil Engineering, Summer Session of 1964—declination effective June 15, 1964.
- HAMILTON, JEAN A., Research Associate in Chemistry—resignation effective February 1, 1964.
- HARRISON, WILLARD W., C. S. Marvel Fellow in Chemistry—resignation effective February 19, 1964.
- HILL, MRS. ROBERTA B., Research Associate in Nutritional Biochemistry, Department of Animal Science—resignation effective March 1, 1964.
- HOEKMAN, THEODORE B., United States Public Health Service Fellow (Trainee) in Biophysics—resignation effective February 1, 1964.
- HOGAN, JAMES J., Instructor in Electrical Engineering—resignation effective March 1, 1964.
- JACOBS, ALLAN E., Fellow in Physics—resignation effective June 16, 1964.
- JERMO, BETTY L., Registered Pharmacist in Hospital Pharmacy (Pharmacy)—resignation effective February 1, 1964.
- KAHN, WALTER J., Instructor in Ophthalmology (Medicine)—resignation effective February 10, 1964.
- KLEESE, WILLIAM R., United States Public Health Service Fellow (Trainee) in Biophysics—resignation effective February 1, 1964.
- KODRAS, RUDOLPH, Assistant Professor of Veterinary Pathology and Hygiene, College of Veterinary Medicine, and of Veterinary Research, Agricultural Experiment Station—resignation effective March 1, 1964.
- KORD, VICTOR G., Instructor in Art, Summer Session of 1964—declination effective June 15, 1964.
- LISTER, BASIL M., National Science Foundation Institute Fellow in Mathematics—resignation effective February 1, 1964.
- MCVAY, MILLARD S., Associate Professor of Electrical Engineering, Summer Session of 1964—resignation effective June 15, 1964.
- MOSES, RICHARD H., Instructor in Art, Summer Session of 1964—declination effective June 15, 1964.
- MUNDAY, JOHN C., United States Public Health Service Fellow (Trainee) in Biophysics—resignation effective February 1, 1964.
- MURRAY, RUBY H., National Institute of Mental Health Fellow (Trainee) in Social Work—cancellation effective February 1, 1964.
- NILSSON, ANNA, Research Associate in Animal Science—resignation effective March 1, 1964.
- ORAN, CENAP, Assistant Professor of Civil Engineering—cancellation effective February 1, 1964.
- PECK, RALPH B., Professor of Foundation Engineering, Department of Civil Engineering, Summer Session of 1964—declination effective June 15, 1964.
- PFLIEDERER, MARILYN R., Instructor in Music and Counselor in Teacher Education—resignation effective September 1, 1964.
- PHILLIPS, BURRILL, Professor of Music—resignation effective September 1, 1964.
- PHILLIPS, MONTE L., Instructor in General Engineering, Summer Session of 1964—resignation effective June 15, 1964.
- RANKIN, CAROLYN, Milliken College Fellow in Education—resignation effective February 1, 1964.
- REBENBO, JAMES M., United States Public Health Service Fellow (Trainee) in Biophysics—resignation effective February 1, 1964.
- REESE, MRS. MARY C., Associate Professor of Social Work—resignation effective September 1, 1964.
- ROSS, O. BURR, Professor of Animal Science and Head of the Department—resignation effective March 17, 1964.
- SOJA, DOROTHY M., United States Public Health Service Fellow (Trainee) in Chemistry—resignation effective February 1, 1964.
- STEINRAUF, LARRY K., Assistant Professor of Physical Chemistry—resignation effective March 1, 1964.
- SZILVASSY, IVAN P., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science—resignation effective February 1, 1964.
- TROUSIL, ELAINE B., Research Assistant in Microbiology—resignation effective February 10, 1964.

VAN DER LINDEN, RICHARD R., Research Assistant in Education—resignation effective February 1, 1964.

WAHL, F. MICHAEL, Assistant Professor of Geology, Summer Session of 1964—declination effective June 15, 1964.

WICKS, ALBERT J., Charles E. Merriam Fellow in Political Science—resignation effective February 1, 1964.

#### LEAVES OF ABSENCE

GUNTHER, GOTTHARD, Visiting Research Associate Professor of Electrical Engineering, College of Engineering—leave of absence, without pay, from April 16 through July 31, 1964, so that he may accept an invitation to teach in Germany during the coming spring and summer.

LOW, MRS. LEONE Y., Instructor in Mathematics—leave of absence, without pay, from March 1 through August 31, 1964.

NAGEL, STUART S., Assistant Professor of Political Science—leave of absence, without pay, for one year from September 1, 1964, so that he may accept a fellowship at the Center for Advanced Study in the Behavioral Sciences at Palo Alto, California, in conjunction with a grant he has received from the American Council of Learned Societies for research.

SCHLOSSER, ROBERT E., Associate Professor of Accountancy—leave of absence, without pay, for one year from September 1, 1964, so that he may undertake a professional assignment with the firm of Price Waterhouse and Company in its training program.

STEINER, IVAN D., Professor of Psychology—leave of absence, without pay, for one year from September 1, 1964, so that he may accept an appointment as Visiting Professor of Psychology at the University of Wisconsin.

TOVAR, ANTONIO, Professor of the Classics—leave of absence, without pay, for the second semester of the academic year 1964-65, for the purpose of travel abroad and teaching at the University of Madrid.

VOSS, JERROLD R., Assistant Professor of City Planning, in the Department of City Planning and Landscape Architecture—leave of absence, without pay, for one year from September 1, 1964, so that he may accept an appointment as Adviser to the Bandung Institute of Technology, Division of City and Regional Planning in Bandung, Indonesia, under the auspices of the Center for Urban Studies of Harvard University and United Nations Technical Board.

#### APPOINTMENT CHANGES IN ATHLETIC ASSOCIATION STAFF APPROVED BY THE PRESIDENT

BAKER, L. W., appointed Assistant Football Coach, February 1, 1964, at an annual salary of \$7,500 (vice William L. Tate).

FLETCHER, RALPH E., Assistant Football Coach, retired from active service March 1, 1964; will continue as Assistant Professor of Physical Education.

HART, JACK W., appointed Assistant Football Coach, March 1, 1964, at an annual salary of \$8,500 (vice Ralph E. Fletcher).

TATE, WILLIAM L., Assistant Football Coach, resigned February 8, 1964.

#### RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session has been requested and was ordered for consideration of recommendations relating to property acquisitions and to patentable inventions, this session to be held after luncheon.

He also announced that the Honorable Robert C. Weaver, Administrator of the Housing and Home Finance Agency, Dean Allen S. Weller of the College of Fine and Applied Arts, and Professor Louis B. Wetmore, Head of the Department of City Planning and Landscape Architecture, would be guests of the Board at luncheon, and that Dr. Weaver would address the Board briefly.

On motion of Timothy W. Swain, the Board recessed.

When the Board reconvened in executive session, the same members

of the Board, officers of the Board, and officers of the University as recorded at the beginning of these minutes were present, except for Mr. Page, who asked to be excused.

The Board considered the following items of business.

#### **PURCHASE OF LAND FOR RADIO DIRECTION-FINDING FACILITY**

(1) Since April, 1957, the University has been leasing a forty-one acre tract of land four miles south of Bondville, Illinois, as a site for a radio direction-finding facility used by the Department of Electrical Engineering for research under a contract with the United States Navy. The lease provides for payments of annual rentals and liquidated damages, such payments being made from contract funds. The lease also includes an option to purchase the land at a price not to exceed \$18,245.

On October 26, 1963, the Board authorized purchase of 210 acres adjacent to the original forty-one acre tract for immediate expansion of the radio direction-finding facility which land has now been acquired. The United States government has provided all the necessary funds for operation, equipment, rental payments, and liquidated damages. The United States Navy has now requested the University to purchase the forty-one acre tract as a contribution to the research program. The legal description of this tract is:

The South half (S $\frac{1}{2}$ ) of the East half (E $\frac{1}{2}$ ) of the Northwest quarter (NW $\frac{1}{4}$ ) of Section two (2), and a strip of land sixteen and one-half (16 $\frac{1}{2}$ ) feet wide providing access to the aforementioned forty (40)-acre tract from the paved road along the East side of said Section two (2), and said access strip to be located along the South edge of the North half (N $\frac{1}{2}$ ) of the Northeast quarter (NE $\frac{1}{4}$ ) of Section two (2), and the East sixteen and one-half (16 $\frac{1}{2}$ ) feet of the South sixteen and one-half (16 $\frac{1}{2}$ ) feet of the Northeast quarter (NE $\frac{1}{4}$ ) of the Northwest quarter (NW $\frac{1}{4}$ ) of Section two (2), all in Township eighteen (18) North, Range seven (7) East of the Third Principal Meridian, and containing forty-one (41) acres more or less in the county of Champaign, and State of Illinois.

The Head of the Department of Electrical Engineering, the Chairman of the Research Board, and the Vice-President and Comptroller recommend the purchase of this tract from funds in the Contract Research Reserve.

I concur and request that the Comptroller and the Secretary of the Board be authorized to execute the necessary documents to complete this acquisition.

On motion of Mr. Swain, the purchase of this land, as recommended, was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Page, Mr. Williamson.

#### **CONDEMNATION PROCEEDINGS FOR ACQUISITION OF PROPERTY AT 1301 WEST STOUGHTON STREET, URBANA, ILLINOIS**

(2) University representatives have been negotiating for the purchase of the property at 1301 West Stoughton Street, Urbana, Illinois, a corner lot 66 feet by 100 feet, with a two and one-half story and basement frame house. The land area is needed as part of the site for expansion of the Digital Computer Laboratory.

The owner's representative was informed that a recommendation would be made to the Board for the purchase of the property at a price of \$28,500, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller therefore recommend that condemnation proceedings for the acquisition of the property be authorized. The Committee on Buildings and Grounds has been consulted and supports this recommendation.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property  
at 1301 West Stoughton Street, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot One (1) in Block Fifty-four (54) of the Seminary Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for expansion of the Digital Computer Laboratory, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land can not be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land can not be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Johnston, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Page, Mr. Williamson.

**PURCHASE OF PROPERTY AT 1301 WEST STOUGHTON STREET,  
URBANA, ILLINOIS**

(3) Director Havens reported that University representatives contemplate further negotiations for the acquisition of this property through purchase, rather than through condemnation proceedings as authorized by the Board, and requested instructions.

On motion of Mr. Johnston, the purchase of this property, at a price not to exceed \$32,500, was authorized with the understanding that if the negotiations are successful and the property is purchased for this price, the condemnation proceedings will not be instituted. This action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Page, Mr. Williamson.

**RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE**

(4) The University Patent Committee submits, with the concurrence of the Chairman of the University Research Board, a series of recommendations relating to inventions.

That the rights of the University in the following inventions be released to the University of Illinois Foundation for further study, development, and possible patent application, subject to any rights that the United States government may have in each particular case:

1. Series-fed logarithmically-periodic folded dipole antenna — Keith G. Balmann, Research Assistant in Electrical Engineering, inventor; developed without the use of government funds. This is an antenna capable of covering a very wide range of frequencies with uniform characteristics. The novel feature of the invention is the use of folded dipole antenna elements connected in series with the wire (or wires) of a feeder.
2. Transit automatic fare system — Michael Blurton, Research Assistant in the Bureau of Economic and Business Research, inventor; developed without the use of government funds. This is a system of automatic passenger-operated fare collection and statistical data recording for bus transit, rail transit, or commuter railroad use.
3. Electrostatic impact probe for measurement of the mass flow of solid particles in a gas-solid suspension — Robert C. Dimick, Research Assistant in Mechanical and Industrial Engineering, inventor; developed with the use of funds from a subcontract with the Project SQUID, Prime Contract No. Nonr-3623 (S-6) with the United States Navy. This invention consists of a probe for measuring the mass flow of solid particles suspended and transported by gas flow in a pipe or duct. Other uses for this probe would be to monitor the mass flow in the pneumatic transport of powdered coal or powdered materials used in manufacturing processes and to determine how well antistatic protection measures were working in the transport of explosive air-powdered grain mixtures in flour and feed mills.
4. Log-periodic cavity-slot antenna — Paul E. Mayes, Associate Professor of Electrical Engineering, and V. A. Mikenas, Research Assistant in Electrical Engineering, inventors; developed with the use of funds from the United States Air Force, Contract No. AF 33(657)-10474. This invention was designed to meet the need for broadband antennas which do not protrude above a large conducting surface, for use in high-speed aircraft and missiles and for some applications on the earth's surface.
5. Reduced-length dipole and monopole antennas and antenna arrays — Paul E. Mayes, Associate Professor of Electrical Engineering, and David T. Stephenson, Research Assistant in Electrical Engineering, inventors; developed with the use of funds from the United States Navy, Contract No. N123(953)30508A. This invention relates to a method of reducing the length of dipole and monopole antennas and, thereby, also reducing the size of certain antenna arrays which use dipole or monopole elements.

6. Log-periodic series-type folded dipole array — Raj Mittra, Associate Professor of Electrical Engineering, and Marvin L. Wahl, Research Assistant in Electrical Engineering, inventors; developed with the use of funds from the United Air Force, Contract No. AF 33(657)-10474. It has been considered desirable to design a free-space model of a wideband antenna which has an impedance in the neighborhood of 300 ohms, such that it could be matched directly to a standard 300 ohm' line. A possible solution to this problem is the series loading of elements on the transmission line which, in effect, raises the input impedance of the antenna to a value larger than the characteristic impedance of the feed line itself.
7. Letter rack antenna — Raj Mittra, Associate Professor of Electrical Engineering, and Marvin L. Wahl, Research Assistant in Electrical Engineering, inventors; developed with the use of funds from the United States Air Force, Contract No. AF 33(657)-10474. The antenna is a composite system consisting of a trough structure, which is coupled to another system made up of a series of loops, series loading an unbalanced transmission level. The heart of the present design is the coupling of the two systems, and the resulting antenna is considered to be a new device. Its important features are (a) flush mounting in aircraft bodies or flush with the ground, and (b) very broadband design (log-periodic).

That the rights of the University in the following inventions be released to the sponsoring agencies, since the possibility of commercial value is remote:

8. Automatic area compensator of constant stress cycling — C. E. Feltner, Research Associate in Theoretical and Applied Mechanics, and J. A. Jackobs, Engineering Assistant in Theoretical and Applied Mechanics, inventors; developed under research sponsored by the United States Air Force, Contract No. AF 33(657)-8177. This invention is highly specialized and will probably be rarely used except in situations such as were encountered in carrying out the contract research.
9. Electro-optical modulation of radiation pattern, photo-electric devices, and electro-optical method of light modulation — Gabor K. Ujhelyi, Research Assistant in the Digital Computer Laboratory, and Sergio T. Ribeiro, Research Associate in the Digital Computer Laboratory, inventors; developed under research sponsored by the United States Navy, Contract No. Nonr-1834(15). These inventions are in the area of lasers, in which the Government is very interested at the present time. The Navy is eager that applications be filed for patents; however, it is the opinion of the Director of the research and of the Committee that neither the University nor the Foundation should undertake the development of these devices at this time.

That the rights of the University in the following inventions be released to the inventor or inventors, since the possibility of commercial value is remote and since the United States government is not involved:

10. Short method for blood glucose determination — Clarence A. Johnson, Sophie J. Presley, Jerome T. Paul, and Eugene J. Ranke, all from the Departments of Medicine and Biological Chemistry of the University at the Medical Center, inventors. The purpose of this study is to present a rapid, simple, and reliable colorimetric method for the determination of blood glucose, that may be used with or without the spectrophotometer; it represents a modification of the fluoran reaction.
11. Improved magnesium aluminate refractory compositions — Tracy A. Willmore, Research Associate Professor of Ceramic Engineering, and Alfred W. Allen, Professor of Ceramic Engineering, inventors; developed under research supported by the Amsted Research Laboratory. This invention relates to the improvement of the high temperature properties (transverse strength, in particular) of refractory materials fabricated from magnesium aluminate. The Head of the Department of Ceramic Engineering states that it appears that only the sponsor could receive the principal commercial benefits, if any arise.

I concur.

On motion of Mr. Swain, these recommendations were approved.

On motion of Mr. Swain, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

Following adjournment of the Board, the Committee on General Policy and Committee on Buildings and Grounds met for work sessions.

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**April 15, 1964**



The April meeting of the Board of Trustees of the University of Illinois was held in the administrative offices of the Chicago Undergraduate Division at Navy Pier, Chicago, Illinois, on Wednesday, April 15, 1964, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Theodore A. Jones, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, and Governor Otto Kerner were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Harold N. Cooley, Assistant Administrative Dean in the Vice-President's Office, Chicago Undergraduate Division, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.



**MINUTES APPROVED**

The Secretary presented the minutes of the meetings of the Board of Trustees on July 2 and August 1, 1963, press proof copies of which have previously been sent to the Board.

On motion of Mr. Swain, these minutes were approved as printed on pages 677 to 743, inclusive.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**  
The Board took up consideration of the following reports and recommendations from the President of the University.

**PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

**AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
EDWARD JOSEPH BURNS	Oak Park, Illinois	Michigan
PHILIP LEROY DEFLIESE	Garden City, New York	New York
ROBERT EMMETT FARRELL	Lisle, Illinois	California
LEWIS EVERETT GRAF	Fairfield, Iowa	Iowa
CARL SCOTT HELTZEL	Chicago, Illinois	Texas
JOHN LEONARD HENNESSY	Lake Forest, Illinois	Connecticut
FRANCIS PELTIER MAYO	Madison, Wisconsin	Wisconsin
ARTHUR GARLISCH WESSON	Milwaukee, Wisconsin	New York

I concur.

On motion of Mr. Williamson, these certificates were awarded.

**HONORARY DEGREE**

(2) The Urbana-Champaign Senate has recommended the conferring of the honorary degree of Doctor of Music on Marian Anderson, concert and opera singer.

During the season of 1964-65, Miss Anderson will make her farewell appearances as a performing artist. Since her professional career was launched in the United States in the early 1930's, she has sung to millions of music lovers both in this country and abroad. She has given recitals at the University of Illinois on two occasions.

The degree will be conferred at the Commencement Exercises at Urbana-Champaign on June 13, 1964.

On motion of Mr. Dilliard, this degree was authorized.

**APPOINTMENTS TO THE FACULTY**

(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. NELDA E. ALGER, Assistant Professor of Zoology, beginning June 1, 1964, at an annual salary of \$11,000.
2. EDMUND G. ANDERSON, Assistant Professor of Pharmacology, College of Medicine, beginning June 1, 1964, at an annual salary of \$13,000.
3. R. WARWICK ARMSTRONG, Assistant Professor of Geography, one year from September 1, 1964, at a salary of \$8,000.

4. ROBERT K. BING, Assistant Professor of Occupational Therapy, College of Medicine, six months from March 1, 1964, without salary.
5. MARY M. BURDETTE, Assistant Professor of Music, beginning September 1, 1964, at an annual salary of \$7,500.
6. BERT E. ELWERT, Assistant Professor of Business Administration, Chicago Undergraduate Division, one year from September 1, 1964, at a salary of \$9,000.
7. EDWARD FUTTERMAN, Assistant Professor of Psychiatry, College of Medicine, beginning January 1, 1964, without salary.
8. MITCHELL L. GRAY, Visiting Associate Professor of Veterinary Pathology and Hygiene, College of Veterinary Medicine, and in Veterinary Research, Agricultural Experiment Station, March 16, 1964, to January 31, 1965, at an annual salary rate of \$14,500.
9. NEVILLE C. HUNSAKER, Visiting Professor of Mathematics, two and one-half months from June 16, 1964, at a salary of \$3,250.
10. YOSHI-HIKO ICHIKAWA, Research Associate Professor of Physics and in the Coordinated Science Laboratory, one year from September 1, 1964, at a salary of \$13,500.
11. ROBERT H. KARGON, Assistant Professor of History, one year from September 1, 1964, at a salary of \$7,500.
12. GENYA KISHI, Research Associate Professor of Electrical Engineering and in the Coordinated Science Laboratory, one year from September 1, 1964, at a salary of \$13,500.
13. MINERVA PINNELL, Assistant Professor of Art, beginning September 1, 1964, at an annual salary of \$8,500.
14. MARY J. SHEEHAN, Assistant Professor of Nursing, beginning March 23, 1964, at an annual salary of \$7,700.
15. JOHN C. STUBBS, Assistant Professor of English, one-half time, for the 1964 Summer Session, at a salary of \$767.
16. JOHN THOMPSON, Associate Professor of Geography and Director of the Center for Latin-American Studies, two months from June 16, 1964, at a salary of \$2,446; Associate Professor of Geography, one-half time, and Director of the Center for Latin-American Studies, one-half time, beginning September 1, 1964, at an annual salary of \$11,000.
17. ALEXANDER VUCINICH, Professor of Sociology, three-fifths time, and Professor in the Russian Language and Area Studies Center, two-fifths time, beginning September 1, 1964, at an annual salary of \$17,000.
18. ADAM R. ZAK, Associate Professor of Aeronautical and Astronautical Engineering, beginning September 1, 1964, at an annual salary of \$9,500.

On motion of Mrs. Watkins, these appointments were confirmed.

#### HEADSHIP OF DIGITAL COMPUTER LABORATORY

- (4) The Acting Dean of the Graduate College recommends the appointment of Dr. John R. Pasta as Research Professor of Physics on indefinite tenure and Head of the Digital Computer Laboratory beginning May 1, 1964, at an annual salary of \$20,000 on a nine-month service basis.

The nomination of Dr. Pasta, currently Research Professor of Physics at the University of Illinois, as Head of the Digital Computer Laboratory to succeed Dr. A. H. Taub, who is leaving the University to accept a position at the University of California at Berkeley, was initiated by a special search committee,<sup>1</sup> and is concurred in by the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Pogue, this appointment was approved.

<sup>1</sup> Acting Dean H. E. Carter, Graduate College, Chairman; P. T. Bateman, Professor and Associate Head of the Department of Mathematics; H. S. Gutowsky, Professor of Physical Chemistry; W. C. Jacob, Professor of Biometry and Data Processing and Associate Head of the Department of Agronomy; D. E. Muller, Research Professor of Mathematics and of Applied Mathematics in the Digital Computer Laboratory; K. C. Smith, Research Assistant Professor of Electrical Engineering; L. R. Tucker, Professor of Educational Psychology; M. E. Van Valkenburg, Professor of Electrical Engineering and Associate Director of the Coordinated Science Laboratory.

### BUSINESS MANAGERS OF CHICAGO COLLEGES AND DIVISIONS

(5) The Vice-President and Comptroller has recommended that when the Congress Circle Campus is activated, Mr. James E. Osborn, presently Business Manager at the Medical Center, be transferred to the position of Business Manager of the University of Illinois at Congress Circle, and this change in his status will be included in the budget for 1964-65.

To fill the vacancy created by this transfer, the Vice-President and Comptroller now recommends the appointment of Mr. David W. Bonham, presently Assistant to the Auditor, as (1) Assistant to the Business Manager at the Medical Center beginning September 1, 1964, and continuing through January 31, 1965, at an annual salary rate of \$13,500; and (2) Business Manager at the Medical Center from February 1, 1965, through August 31, 1965, at an annual salary rate of \$15,000. This appointment includes a change in his status from the nonacademic staff to an administrative position.

I concur.

On motion of Mrs. Watkins, these recommendations were approved.

### FLIGHT INSTRUCTION FEE

(6) The Director of the Institute of Aviation has recommended that the fee for flight instruction be increased from \$350 to \$375 due to increasing costs of the training program. The present fee of \$350 was established three years ago.

The Executive Vice-President and Provost and the Vice-President and Comptroller recommend approval.

I concur.

On motion of Mrs. Watkins, this change in fee was authorized.

### EMPLOYMENT OF ARCHITECTS AND ENGINEERS

(7) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of the following firms for the projects and on the terms indicated:

Fugard, Burt, Wilkinson, and Orth, Chicago—Central National Bank Building remodeling, Congress Circle

The fee will be on the basis of time and cost of services of professional personnel, plus 150 per cent for overhead and commission, provided that the maximum fee will not exceed 10 per cent of the cost of construction.

Clark, Dietz, Painter, and Associates, Urbana—Engineering design and drawing work on parking lots to be constructed during 1964-65 in Urbana-Champaign

The fee will be based on Schedule B of the standard fees of the Illinois Society of Professional Engineers related to the cost of construction.

Warren and Van Praag, Inc., Decatur—Water main extensions on the South Campus, Urbana-Champaign

The fee will be based on Schedule B of the standard fees of the Illinois Society of Professional Engineers.

The Committee on Buildings and Grounds and the Advisory Committee on the Selection of Architects and Engineers support these recommendations.

I concur.

On motion of Mr. Swain, these recommendations were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(8) The Committee on Nonrecurring Appropriations recommends the following appropriations from the University General Reserve:

#### *Urbana-Champaign*

- |  |           |
|--|-----------|
| 1. Admissions and Records, equipment.....                            | \$ 10 550 |
| 2. College of Agriculture  |           |
| Dixon Springs Experiment Station, water system and fire protection.. | 20 000    |
| Agriculture Administration, equipment for a new student lounge.....  | 2 000     |

3. College of Education, equipment.....	14 000
4. College of Engineering	
Engineering Publications, equipment.....	7 895
Department of Mining, Metallurgy, and Petroleum Engineering, equipment .....	13 100
5. College of Fine and Applied Arts	
Department of Art, equipment.....	9 730
6. College of Liberal Arts and Sciences	
Department of Chemistry and Chemical Engineering, equipment.....	39 284
7. Library	
Supplementary book funds.....	136 000
Public Service Departments, equipment.....	19 825
8. University Extension	
Hott Memorial Center, equipment.....	5 200
9. College of Veterinary Medicine	
Department of Veterinary Clinical Medicine, veterinary pathology building at the Veterinary Research Farm.....	6 270
10. Physical Plant Department	
Air conditioning in the Agricultural Engineering Building.....	3 400
Remodeling in Mumford Hall for a student lounge.....	7 540
Remodeling in Bevier Hall for Cooperative Extension Service in Agriculture and Home Economics.....	3 640
Remodeling in the Mechanical Engineering Building for the Depart- ment of Mechanical and Industrial Engineering.....	12 400
Installation of night illumination for the Mirko sculpture at Krannert Art Museum .....	3 500
Remodeling in the City Planning Library.....	2 480
Installation of floor tile in McKinley Hospital.....	4 465
Remodeling in the Natural History Building for the Department of Zoology.....	25 180
Remodeling for the Department of Chemistry and Chemical Engineer- ing.....	48 760
Remodeling for the College of Veterinary Medicine.....	28 760
Remodeling of building at 205 South Goodwin Avenue for the Office of Instructional Television.....	6 120
Total, Urbana-Champaign .....	\$430 099
<i>Medical Center</i>	
11. College of Pharmacy, equipment.....	19 975
12. Research and Educational Hospitals, equipment.....	54 670
13. Physical Plant Department	
Remodeling in the Research and Educational Hospitals Addition for the Department of Occupational Therapy.....	5 400
Total, Medical Center.....	\$ 80 045
Grand Total .....	\$510 144
I concur.	

On motion of Mr. Dilliard, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

#### CONTRACT FOR ELEVATOR RECONSTRUCTION IN METALLURGY AND MINING BUILDING

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$56,655 to English Brothers Company, Champaign, the lowest bidder, for reconstruction of the elevator shaft and installation of a new elevator in the Metallurgy and Mining Building.

This building, formerly the Laboratory of Physics, is being remodeled for the use of the Department of Mining, Metallurgy, and Petroleum Engineering.

Funds are available in state capital appropriations for 1963-65 and have been released.

I concur.

On motion of Mrs. Watkins, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

#### CONTRACTS FOR REMODELING IN FIRST UNIT OF DENTISTRY-MEDICINE-PHARMACY BUILDING

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling of two lecture rooms in the first unit of the Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder.

General — Mueller Construction Company, Chicago.....	\$39 842
Base bid .....	\$22 174
Additive alternates:	
Remodel Lecture Room 221.....	14 475
Acoustical work: Lecture Room 423.....	598
Lecture Room 221.....	605
Service charge for supervision of other contracts assigned to this contractor.....	1 990
Electrical — Fries Walters Company, Chicago.....	14 350
Base bid .....	\$10 600
Additive alternate for new lighting in Lecture Room 221.....	3 750
Plumbing — Ashland Plumbing and Heating Company, Chicago.....	704
Heating and Air Conditioning — Crone Associates, Inc., Chicago.....	13 250
Base bid .....	\$13 100
Additive alternate to remove radiators and extend ductwork in Lecture Room 221.....	150
Ventilation — Moto Heating, Ventilating, Air Conditioning Corporation, Chicago .....	21 500
Base bid .....	\$21 200
Additive alternate for extension of ductwork in Lecture Room 221 .....	300
Total.....	\$89 646

The remodeling will consist of upgrading lecture rooms 423 and 221. Specifically, it will provide air conditioning, new lighting, new chalkboards, acoustical ceilings, and improvements for visual aid teaching.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$89,646; and that an agreement be entered into with Mueller Construction Company for the assignment of these other contracts for \$1,990 which amount is included in the contract price, being the amount bid by that company for service charge for supervision of other contracts assigned to the general contractor.

Funds for this work are available from the state capital appropriations to the University for 1963-65.

A schedule of all bids received is submitted herewith, and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

#### THE HEALTH PROFESSIONS EDUCATIONAL ASSISTANCE ACT OF 1963-PUBLIC LAW 88-129

(11) Public Law 88-129, the Health Professions Educational Assistance Act of 1963, authorizes a program of financial aid to students in medicine and dentistry.

A participating institution is required to provide one-ninth of the federal contribution to the loan fund. A student may be loaned up to \$2,000 in one academic year (September to June) or \$2,666 for any year enrolled in excess of the normal academic year consisting of approximately nine months. Persons who enter as first-year students after June 30, 1963, are to be given preference. Loans are to be made only to a student in need of the amount to pursue a full-time course of study. Loans are to be repaid in equal or graduated periodic installments over the ten-year period which begins three years after the student ceases to pursue a full-time course of study. Additional repayment time is available for active duty performed as a member of a uniformed service or for service as a volunteer under the Peace Corps Act. The maximum deferment for these reasons is six years; the maximum for each is three years. The liability to repay the unpaid balance will be cancelled upon the death of the borrower, or if he becomes permanently or totally disabled.

Loans bear interest, on the unpaid balance, computed only for periods during which the loan is repayable, at the rate of 3 per centum per annum or the going federal rate at the time the loan is made, whichever is greater. Loans are to be made without security or endorsement, except in the case of minors.

The Department of Health, Education, and Welfare has now requested institutions wishing to participate to file applications for funds to be used the last quarter in 1963-64 and the 1964-65 year not later than March 31, 1964.

It is estimated that \$55,000 could be utilized during the last quarter in 1963-64 and that \$372,500 will be required during 1964-65. Estimates of need were prepared by the Deans of the College of Medicine and Dentistry and the Dean of Student Affairs in accordance with guidelines supplied by the Department of Health, Education, and Welfare.

Since the amount finally available to the University for use during the periods indicated is uncertain, it is requested that the Comptroller be authorized to execute the necessary documents to secure a grant not to exceed \$427,500; and that an appropriation be made to provide an amount equal to one-ninth of that received from the federal government, but not exceeding \$6,111 for the 1963-64 year and \$41,388.88 for the 1964-65 period. Funds to be made available to the University from the National Defense Education Act will be reduced next year as medical and dental students will no longer qualify for loans from this source. The reduction in the University matching fund requirement for the N.D.E.A. program will be applied to the Health Professions Educational Assistance Act, thereby reducing the requirement for additional funds by approximately \$18,000.

I concur.

On motion of Mrs. Watkins, authority was given as requested, this action being taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

#### INVITATION TO VISIT UNIVERSITIES IN WEST GERMANY

(12) I request the Board of Trustees to authorize my acceptance of an invitation to attend meetings of the rectors of the universities in West Germany and to visit some of the universities following these programs. The official visitation is scheduled for the period from June 23 until July 3, exclusive of travel time.

The invitation has been presented through the Association of American Universities. The presidents of twelve member institutions of that Association will constitute the delegation.

The members of the delegation will have unusual opportunity to exchange information with the leaders of higher education in West Germany and to discuss common problems and international relationships.

The mission will involve no travel expense to the University of Illinois.

On motion of Mr. Dilliard, this request was approved.

#### PURCHASES

##### Purchases Authorized

(13) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Com-

troller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in one category: purchases from Institutional Funds. This term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other donors, and University revolving funds authorized by law.

#### *Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Twenty-nine resistance wire strain gauges	Agency for International Development, India	Baldwin-Lima-Hamilton, Export Division, Waltham, Mass.	\$ 3 391 00 f.o.b. New York, N.Y.
One portable strain indicator			
One self-balancing dial indicator			
Two ten-channel switching and balancing units			
One spectrophotometer, ultraviolet, including monochrometer, photomultiplier, detector, and power supply for use in analyzing samples exposed to ultra sound	Electrical Engineering	Beckman Instruments, Inc., Lincolnwood	3 300 00 f.o.b. delivered
Print and bind 2,000 copies <i>Proceedings of the UICSM Conferences on the Role of Applications in a Secondary School Mathematics Curriculum</i> , approximately 384 pages per copy, trim size 8½ in. by 11 in.	Mathematics Project	Malloy Lithographing, Inc., Ann Arbor, Mich.	2 660 00 f.o.b. delivered
One control system for crystal growing furnace; system consists of: recorder, control relay, magnetic amplifier, feedback unit, rayotube detector, timer, enclosure and interwiring	Mining, Metallurgy, and Petroleum Engineering	NRC Equipment Corp., Newton, Mass.	3 511 00 f.o.b. delivered
650 chairs, wood, for use in student rooms in the Illinois Street Residence Halls	Housing Division	Gilbert A. Force Co., Chicago	17 070 70 f.o.b. delivered

On motion of Mr. Jones, these purchases were approved.

#### **Purchases Recommended**

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and from University revolving funds authorized by law.

#### *Purchases from Appropriated Funds*

One multiple sample absorbance recorder	Biological Chemistry, Chicago	Gilford Instrument Laboratories, Inc., Oberlin, Ohio	\$ 4 590 00 f.o.b. Oberlin, Ohio
Ten microscopes, less allowance for trade-in of five used microscopes	Microbiology, Chicago	Scientific Products Division, American Hospital Supply Corp., Evanston	2 832 50 delivered
One lot of new x-ray equipment consisting of one urological table, one x-ray generator, and two x-ray tube units; relocation and modification of existing equipment; less trade-in of ceiling tube hangar with surgical light mount	Medical Center, Chicago	General Electric Co., X-Ray Department, Chicago	12 000 00 delivered and set in place
One water still with 500-gallon storage tank	Physical Plant, Chicago	Barnstead Still & Sterilizer Co., Boston, Mass.	6 903 00 delivered

Item	Department	Vendor	Cost
Ten woodworking production machines, consisting of belt sander, lathe, grinder-buffer, drill press 20 in. and drill press 15 in., horizontal boring machine, two spindle, oscillating spindle sander, disc sander, oilstone, tool grinder, and wood workers' vise	Physical Plant, Congress Circle	Adams & Nelson, Chicago Anderson & White Supply Co., Chicago Balko Tool & Machine Co., Chicago A. L. Fader Co., Chicago Oliver Machine Co., Chicago	\$ 890 00  18 50  1 210 00  3 550 00  1 637 00  (7 305 50) delivered and installed

(Note: This purchase will be made from both Appropriated Funds, \$6,886.00, and Institutional Funds, \$419.50, for a total of \$7,305.50.)

One constant temperature room, modular construction, 6 ft. wide by 10 ft. long by 7 ft. high, for studies of incubation of sewage cultures and studies of air pollution	Civil Engineering	Scientific Products Division, American Hospital Supply Corp., Evanston	7 715 00 f.o.b. delivered
One eight-channel electroencephalograph	Neurology and Neurological Surgery	Grass Instrument Co., Quincy	5 645 00 f.o.b. Chicago
One monochromator, high intensity with ultraviolet grating with variable slits and accessories	Physics	Matheson Scientific, Inc., Chicago	2 804 00 f.o.b. delivered
Print, gather, and fold for mailing: Eight issues <i>Illinois Alumni News</i> , 33,500 copies per issue, sixteen pages per copy, 11 in. by 17 in. Two issues <i>Illinois Alumni News</i> , 90,000 copies per issue, eight pages per copy, 11 in. by 17 in.	Alumni Association	E. W. Petty Co., Effingham	22 837 36 f.o.b. delivered
Print and bind 2,500 copies of <i>Politics as a Symbolic Form</i> , by Murray Edelman, approximately 224 pages per copy, trim size 6 in. by 9 in.	University Press	North Central Publishing Co., St. Paul, Minn.	3 619 95 f.o.b. delivered
One tractor-shovel with four-wheel drive, rubber-tired wheels, 1½ cubic yard bucket, snow blower, V-type snowplow and one-way snowplow, less trade-in of one 1960 International Harvester crawler tractor with three-way grapple type bucket	Physical Plant	McElroy-Roland Machinery Co., Springfield	18 769 00 f.o.b. delivered
Furnish and install 135 upholstered auditorium chairs with folding tablet arms in lecture room in new Education Building	Physical Plant	Illini Supply, Inc., Decatur	3 931 75 f.o.b. delivered and installed

#### *Purchases from Institutional Funds*

One cephalometer consisting of x-ray examination table, three x-ray tube heads, two transformers, and one control console	Cleft Palate Clinic	B. F. Wehmer Co., Chicago	9 980 00 f.o.b. Chicago factory
One lot of metal lounge furniture, nine two-seaters, thirty-one three-seaters, and five four-seaters	Dental Clinic	Milwaukee Metal Furniture Co., Chicago	4 567 62 delivered
One tape transport with eight-track record and reproduce heads, an erase head, and eight channels of FM and direct record and reproduce electronics	Dental Radiology	Precision Instrument Co., c/o Pivan Engineering Co., Chicago	7 450 00 f.o.b. Palo Alto, Calif.
One polygraph complete with four channels, wired for eight, and rectilinear heat recording	Dental Radiology	Pivan Engineering Co., Chicago	5 956 00 f.o.b. Chicago
Seven dental vacuum power units	Fixed Partial Prosthodontics	Central Vacuum Corp., Oak Park	2 585 00 delivered, set in place, and installed
175 dozen laboratory coats, assorted sizes	Medical Center Stores	Whitehouse Manufacturing Co., Chicago	5 821 19 delivered
One seven-channel capacity standard ½ in. tape recorder with four channels of analog electronics	Pharmacology, Chicago	Mnemotron Division of Technical Measurement Corp., Minneapolis, Minn.	6 295 00 f.o.b. North Haven, Conn.



<i>Items</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One spectrophotometer with photomultiplier	Medical Research, Chicago	Matheson Scientific, Inc., Chicago	\$ 3 135 00 delivered
One operation microscope equipped for photography	Otolaryngology	V. Mueller & Co., Chicago	3 547 50 delivered
Display fixtures and cabinets	Pathology	Marshall Field & Co., Contract Division, Chicago	7 509 86 delivered and installed
One lot of dental equipment consisting of seven dental chairs and dental units	Pedodontics	Siemens Medical of America, Inc., Union, N.J.	15 400 00 delivered and installed
One lot wood laboratory furniture as follows: nine base cabinet units, six storage cases, two utility and laboratory tables, one storage-display cabinet, one pegboard mount, two table top units	Congress Circle	Hamilton Manufacturing Co., Two Rivers, Wis.	4 984 00 delivered and installed
Furnish, uncrate, and set in place drafting equipment consisting of eighteen drafting tables with reference desks; ten cabinets complete with 156 plastic instrument trays; 120 student mechanical drawing tables; seventeen drawing tables, 43½ in. by 84 in., with drawers; 166 drafting chairs and stools; ninety-two steel blueprint filing cases; one lot drawing instruments consisting of scribe sets, electric razors, ten sets plastic curve sets, divider sets; thirty-six drafting table lamps	Congress Circle	Keuffel & Esser Co., Chicago and Northfield Charles Bruning Co., Inc., Chicago	43 496 49 2 806 86 (46 303 35) delivered, uncrated, and set in place
Furnish and erect 815 units steel shelving; 179 steel storage cabinets; twenty-three steel wardrobe cabinets; and ninety-seven steel book-stacks with end panels, in thirteen buildings at Congress Circle, Chicago	Congress Circle	Reb Steel Equipment Co., Chicago All-Steel Equipment Co., Inc., Chicago Interior Steel Products Co., Chicago	28 219 20 6 546 14 4 503 82 (39 269 16) f.o.b. delivered and erected
Thirty steel herbarium cases	Biology, Congress Circle	Interior Steel Products Co., Chicago	4 263 00 delivered and set in place
One studio piano and one grand piano for use at Congress Circle	Music, Congress Circle	Lyon & Healy, Chicago Studio piano Baldwin Piano & Organ Co., Chicago Grand piano	649 50 3 056 25 (3 705 75) delivered and set in place
Furnish and install one automated high-vacuum evaporator complete with base plate, electrical feed-throughs, power supply, bell jar, and other accessories	Physics, Congress Circle	Bryon Ellis Associates, Chicago	6 119 90 delivered and installed
Furnish and install sixty-two roll-out filing units, consisting of two tier, five tier, seven tier, and five tier with tray	Admissions and Records and Health Service, Congress Circle	Steelograph, Inc., Chicago Group A Group B	9 145 20 2 953 62 (11 418 80) f.o.b. delivered and installed

Item	Department	Vendor	Cost
One lot of examining room equipment	Health Service, Congress Circle	Alice Co., Division of Brunswick, Schiller Park American Hospital Supply Corp., Evanston Debs Hospital Supplies, Inc., Chicago Hospital Equipment Corp., Chicago V. Mueller & Co., Chicago	\$ 21 52 12   297 00 351 73 722 80 2 030 90 (5 523 95) delivered
Six pieces of painting equipment consisting of spray pump air compressor, infra-red portable light units, paint conditioner unit, and stripping tank	Physical Plant, Congress Circle	Bachli Paint Co., Chicago Gunk Chicago Co., River Forest	1 638 04 1 597 57 (3 235 61) f.o.b. delivered
(Note: This purchase will be made from both Institutional Funds, \$1,638.04, and Appropriated Funds, \$1,597.57, for a total of \$3,235.61.)			
Furnish labor and materials to construct pole-type storage building, 32 ft. wide by 62 ft. long, with roof and sides of 26 gauge galvanized steel, one 16 ft. wide by 12 ft. high sliding door, four 12 ft. wide by 12 ft. high sliding doors, and 5 ft. crushed rock floor and approach, building to be constructed at the Brownstown Agronomy Research Station near Newton, to be used by the Department of Agronomy to store farm machinery and other farm equipment	Agronomy	Barenfanger Construction Co., Vandalia	3 150 00 f.o.b. delivered and erected
One astrophotometer, complete with optical and photometric systems and a 7 in. by 7½ in. viewing screen	Astronomy	Astro-Mechanics, Inc., Austin, Texas	7 225 00 f.o.b. delivered
One lathe, glass working, with accessories for use in high precision machining of glass items in glass-blowing work	Chemistry and Chemical Engineering	Bethlehem Apparatus International Co., Inc., Hellertown, Pa.	7 714 22 f.o.b. delivered
One recorder, XY, with curve follower, log converter, combination general purpose and time base module, recorder kit, and two maintenance manuals	Chemistry and Chemical Engineering	E I Sales, St. Louis, Mo.	4 050 00 f.o.b. San Diego, Calif.
One spectrophotometer system, including monochromator with quartz optics, micro cell attachment with magnetic stops, and heatable cell holder with accessories	Chemistry and Chemical Engineering	Matheson Scientific, Inc., Chicago	5 662 08 f.o.b. delivered
One mixer, small batch size (3 cubic ft.) for production of hot and cold bituminous pavement mixes for use in Civil Engineering pavement behavior studies	Civil Engineering	Barber-Greene Co., Aurora	4 120 00 f.o.b. delivered
One precision stereocomparator for the stereoscopic measurement of picture coordinates and parallaxes in photogrammetric stereopairs, the science and art of obtaining reliable measurements by means of photography	Civil Engineering	Wild-Heerbrugg Instruments, Inc., Port Washington, Long Island, N.Y.	44 850 00 f.o.b. delivered
Furnish and install approximately 189½ yards of all wool carpet with pad	New Commerce Building	Sackett's Furniture Store, Champaign	3 500 00 f.o.b. delivered and installed
9,000,000 sets single part tabulating forms, continuous construction, size 14½ in. by 11 in.	Digital Computer Laboratory	Wallace Business Forms, Champaign	26 820 00 f.o.b. delivered
61,000 resistors, ¼ watt, composition, fixed, 5 per cent tolerance, Mil. R.11 style RC07	Digital Computer Laboratory	Allen Bradley Co., Chicago	2 783 00 f.o.b. Milwaukee, Wisc.
100,000 pins, taper, 24-22 wire size, insulation diameter range .065 to .080 in., crimp type maximum installed extension .432 in., overall length .550 in., gold finish	Digital Computer Laboratory	American Pamcor, Inc., St. Louis, Mo.	4 674 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furnish and install vertical filing system, letter size, consisting of one 15 ft. range of five sections and one 12 ft. range of four sections, each with two rows of files 8 ft. high, and one counter section 6 ft. in length, 42 in. high, complete with plastic counter top	College of Education Building	Steelegraph, Inc., Chicago	\$ 4 875 10 f.o.b. delivered and installed
Television equipment: Group 1: two tuners; six 23 in. monitors with speaker enclosures and ceiling mounts Group 2: three dual 8 in. picture monitors, rack mounted Group 3: seven audio jack panels, twenty-two audio patch cords Group 4: three video patch panels, ten video patch plugs, eight video patch cords, eight video distribution amplifiers, three power supplies, two amplifier mounting frames, four audio preamplifiers, two audio program amplifiers, one monitor amplifier, two amplifier mounting shelves, one audio mixer console, eight pulse distribution amplifiers	College of Education Administration	Camera Equipment Co., Inc., New York, N.Y. Groups 1 and 2  C-C Teleservices, Inc., Chicago Group 3  Radio Corp. of America, Camden, N.J. Group 4	4 572 00 f.o.b. New York, N.Y.  752 36 f.o.b. delivered  7 814 50 f.o.b. delivered  (13 138 86)
One polar recorder, pen response function linear and square-root, synchro ratios 1:1 and 36:1, reading turntable diameter 13 in., sensitivity for full scale linear 1 microvolt square-root 10 microvolts	Electrical Engineering	Antlab, Inc., Worthington, Ohio	3 625 00 f.o.b. delivered
Labor and materials to alter the existing air-conditioning system in the research building at the Bondville Road Field Station	Electrical Engineering	Nogle & Black, Inc., Champaign	5 464 00 f.o.b. delivered and installed
One batch fermentor and drive assembly including one $\frac{3}{4}$ h.p. motor, variable speed controls, heater, pumps, and antifoam system	Microbiology	New Brunswick Scientific Co., New Brunswick, N. J.	4 926 00 f.o.b. delivered
One field ion microscope, including a high-speed polaroid camera	Mining, Metallurgy, and Petroleum Engineering	Central Scientific Co., Chicago	2 828 50 f.o.b. delivered
One duplicator, offset, for stock maximum size 11 in. by 17 in., equipped with work organizer, ink roller wash-up attachment, automatic etch attachment, blanket cleaning attachment, chain delivery and receding stacker, less trade-in on one duplicator, offset, AB Dick model 350	Physics	Maginn Office Equipment Co., Champaign	3 583 70 f.o.b. delivered and installed
One chromatogram scanning system, completely automatic, for strip chromatograms and thin layer chromatography plates, with 4 pi scanning to count radiation from both sides of strips simultaneously	Physiology and Biophysics	Packard Instrument Co., Inc., La Grange	2 975 00 f.o.b. delivered
One integrated laser modulator, generator, and accessories for giant laser pulsing and ultra-high speed photography	Theoretical and Applied Mechanics	Electro-Optical Instruments, Inc., Monrovia, Calif.	2 720 27 f.o.b. delivered
One centrifuge, refrigerated with twenty-place head and shields for general laboratory work	Zoology	Aloe Scientific Division of Brunswick Corp., St. Louis, Mo.	2 549 32 f.o.b. delivered
100 bunk beds, wood, for Illinois Street Residence Halls (SS6)	Housing Division	Joerns Furniture Co., Stevens Point, Wis.	9 477 00 f.o.b. delivered
Furnish and install carpeting and padding in Illinois Street Residence Halls: 390 $\frac{3}{4}$ yards in the Main Lounge in Buildings B and C Seventy yards in Residence Apartments, in Buildings A and B, and 344 yards in Reference Library and Seminar Rooms in Building FS	Housing Division	Sackett's Furniture Store, Champaign Item 1 Tile Specialists, Inc., Champaign Item 2	5 197 95  3 283 36  (8 481 31) f.o.b. delivered and installed

Item	Department	Vendor	Cost
140 refrigerators, 9 cubic ft. capacity, white enamel finish, non-automatic defrost, complete with two ice trays, hydrator storage, and sliding chiller drawer, to be installed in Orchard Downs Family Housing Units	Housing Division	Kelvinator Division, American Motors Sales Corp., Chicago	\$ 13 139 00 f.o.b. delivered
150 ranges, electric, white enamel finish, 20 in. wide, 220 volts, with thermostatically controlled oven, four burners—one 8-inch and three 6-inch, broil pan, two nickel-plated oven racks, storage drawer, and six ft. long electric cord and plug to be installed in Orchard Downs Family Housing Units	Housing Division	Athen Stove Works, Inc., Chicago	11 850 90 f.o.b. delivered
Conversion of twenty ball return units to increase the speed of pinsetters in the Illini Union bowling lanes	Illini Union	Brunswick Corp., Bowling Division, Hinsdale	28 130 00 f.o.b. delivered and installed, less cash discount, net 30
Manuscript copy made by the scribe Ralph Crane of Sir Henry Manwayring's <i>A Briefe Abstract Exposition and Demonstration of All Termes, Parts and Things Belonging to a Shippe, and the Practick of Navigation, 1626</i>	Library	Zeitlin & Ver Brugge, Los Angeles, Calif.	2 650 00
Air Force uniforms and accessories: 90 pair boots, combat, black 180 caps, garrison, blue 360 shirts, mens, 1505 360 trousers, mens, 1505 90 pair shoes, low quarter, black 450 pair socks, wool, black 360 pair socks, cotton, black	Military Property Custodian	Clothing Sales Store, Chanute Air Force Base	4 335 30 f.o.b. Chanute Air Force Base
Photographic laboratory services as requested for the period of April 20, 1964, through June 30, 1965, as estimated below: Process and workprint of up to 50,000 feet of 16 mm. B&W reversal Make color internegatives and answer print from AB Ektachrome original up to 6,500 ft. Make color prints from internegatives, sound, up to 550,000 ft. Make optical sound tracks from 16 mm. magnetic film up to 75,000 ft.	Motion Picture Service	Calvin Productions, Inc., Kansas City, Mo.	37 220 00 f.o.b. delivered
One process camera, 96 in. bellows extension, vertical and horizontal motorized lensboard movements, 31½ in. by 31½ in. ground glass, range of enlargement three times, range of reduction seven times One set of four-pulsed xenon camera lamps and power supply One precision electrical reset timer	Print Shop	W. A. Brown Manufacturing Co., Chicago	7 060 00 f.o.b. delivered
Print and bind 2,000 copies of <i>Slavery and Jeffersonian Virginia</i> , by Robert McColley, approximately 224 pages per copy, trim size 6 in. by 9 in.	University Press	North Central Publishing Co., St. Paul, Minn.	3 199 15 f.o.b. delivered
Renewal of leases for two years (through April, 1966) of 183 miscellaneous 16 mm. films	Visual Aids Service	Encyclopaedia Britannica Films, Inc., Wilmette	5 776 00 f.o.b. delivered
1,600 gallons paint, traffic marking 2,000 pounds moisture proof glass beads for highway pavement marking in various areas on the Urbana campus	Physical Plant	J & D Supply Co., Springfield	3 930 50 f.o.b. delivered
Furnish all necessary labor and materials to remove existing cork and wood flooring in designated areas of the first, second, and third floors of the original Illini Union Building and replace with rubber tile on the first floor and cork tile on the second and third floors	Physical Plant	George S. Grimmett & Co., Springfield	10 460 00 f.o.b. delivered and installed

Item	Department	Vendor	Cost
Blanket group accident and sickness insurance for youth groups—other than University students—attending the Allerton 4-H Memorial Camp and groups residing on campus to attend short courses, work shops, clinics, and other programs sponsored by the University of Illinois	University Extension Division	Angelo S. Betzelos, representing Aetna Casualty Co.	\$ 3 316 21 estimated annual premium

On motion of Mr. Jones, these purchases were authorized.

#### COMPTROLLER'S REPORT OF CONTRACTS

(14) The Comptroller's report of contracts executed during the period March 1 to 31, 1964.

With Whom	Purpose	Amount to be Paid to the University	Effective Date
W. R. Grace & Co.	Ultrafine ceramic particles	\$ 20 000 00	February 1, 1964
Peace Corps PC-(W)-270	Measurement of volunteer attitude swings in accordance with Peace Corps expectations	20 684 00	October 31, 1963
State of Illinois Department of Agriculture	Four projects: isolation and characterization of entero-viruses of swine; role of <i>escherichia coli</i> in enteritis of swine; agalactis syndrome in gilts and sows; pneumonias in swine	58 600 00	July 1, 1963
State of Illinois Department of Conservation	Evaluation of the performance of small dams	5 000 00	February 1, 1964
Superintendent of Public Instruction	Training programs for specialists working with gifted children	81 296 00	February 24, 1964
United States Air Force AF-AFOSR-633-64	Properties of solid solutions in metals	108 199 00	March 16, 1964
United States Air Force AF29(601)-6319	Indices relating the physical properties and the engineering behavior of rock	31 303 00	January 27, 1964
United States Army DA28-043AMC-00032 (E)	Radar study of convective precipitation	70 000 00	February 29, 1964
United States Army DA-49-193-MD-2548	Refractometric analysis of water in body fluids	23 200 00	January 1, 1964
United States Department of Health, Education, and Welfare OE-4-10-128	Shaping logical behavior in six- and seven-year olds	5 778 00	February 24, 1964
United States Department of Health, Education, and Welfare OE-4-10-140	Variables related to outcomes of test interpretation	6 512 00	February 1, 1964
United States Navy Nour-3985(06)	Micromechanical mechanisms in organic solids	35 475 00	January 1, 1964
Total		\$466 047 00	

With Whom	Purpose	Amount to be Paid by the University	Effective Date
University of Rochester sub-contract under PC-(W)-270	Measurement of volunteer attitude swings in accordance with Peace Corps expectations	\$ 9 580 00	December 31, 1963

#### Leases

With Whom	Purpose	Amount to be Paid by the University	Effective Date
Allis Chalmers Manufacturing Co.	Rental of farm machinery: two tractors with accessories	\$ 733 00	June 14, 1963
John Deere Co.	Rental of farm machinery: two items, \$170.45 and \$566.62	737 00	August and December, 1963
International Business Machines Corp.	Rental of office machines: four items, \$2,256.00 to \$66,769.32	87 246 00	January and March, 1964
Midland Ford Tractor Co.	Rental of farm machinery: four items, \$21.90 to \$564.19	1 516 00	February, 1964
New Idea Farm Equipment Co.	Rental of farm machinery: one manure spreader with extras	117 00	January 16, 1964
Total		\$90 349 00	

## Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Crop-Hail Insurance Actuarial Association	Factors producing hailstorms and rainfall influences on crop yields in Illinois	\$ 9 000 00	February 5, 1964
United States Air Force AF33(657)-10224	Generating and utilizing coherent electromagnetic radiation in the sub-millimeter and interwave region	84 986 00	November 1, 1963
United States Air Force AF49(638)-880	Diffusion and imperfections in metals	290 00	January 30, 1964
United States Army DA-11-022-AMC-329	Initiation and stability of detonation waves	34 947 00	March 18, 1964
United States Army DA-11-022-ORD-2956	Development of polymers for use at high temperatures	460 00	March 4, 1964
United States Navy Nonr-1834(18)	Variety of topics in number theory	20 000 00	August 15, 1963
United States Navy Nonr-1834(23)	Theory of group representations and measure theory	6 678 00	September 15, 1963
United States Navy Nonr-3985(02)	Biophysical and biochemical studies on electric organs and muscle membranes of fish	16 500 00	February 1, 1964
<i>Total</i>		<u>\$172 861 00</u>	

## Adjustments Made in 1963-64 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
George S. Grimmett & Co. (Plastering)	Twenty-two items: \$185.50 deduct to \$700.00	\$2 012 00	February and March, 1964

## Summary

Amount to be paid to the University.....	\$638 908 00
Amount to be paid by the University.....	\$101 941 00

This report was received for record.

## INVESTMENT REPORT

## Report of the Finance Committee

(15) The Finance Committee reported the following changes in certain investment funds for the month of February, 1964:

*Endowment Pool*

## Sale

100 shares	Kennecott Copper common	\$ 7 949 64
7 shares	Midwestern Gas Transmission common	125 96
5 shares	Standard Oil Company of New Jersey common	399 84
800 shares	Weyerhaeuser Company common	26 989 20

## Purchase

200 shares	Ford Motor Company common	\$ 10 613 52
68/100 shares	General Motors common	53 46
300 shares	Standard Brands common	22 639 50

*Ford Foundation International Programs*

\$ 50 000	U. S. Treasury bills	7/30/64	\$ 49 142 63
50 000	U. S. Treasury bonds	2 1/8 per cent 2/15/65	49 562 50
50 000	U. S. Treasury notes	4 1/8 5/15/65	50 515 63
80 000	U. S. Treasury notes	3 1/8 2/15/66	79 562 50
80 000	U. S. Treasury notes	4 8/15/66	80 150 00
100 000	U. S. Treasury notes	3 1/8 2/15/67	99 078 13
100 000	U. S. Treasury notes	3 1/4 8/15/67	99 343 75
130 000	U. S. Treasury bonds	3 1/8 5/15/68	129 614 06
130 000	U. S. Treasury bonds	3 1/4 8/15/68	128 578 13

**Report of the Comptroller**

The Comptroller reports the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

*Current Funds*

## Restricted Group (June 20, 1962)

Purchase				
\$ 750 000	U. S. Treasury bills	3/26/64		\$756 570 00

## University of Andes (June 20, 1962)

Purchase				
\$ 2 000	U. S. Treasury bills	1/31/65		\$ 1 930 80

## City of Chicago (June 20, 1962)

Purchase				
\$ 3 500	U. S. Treasury bonds	2½ per cent	2/15/65	\$ 3 470 47

*Construction Funds*

## Assembly Hall (June 23, 1959, and March 17, 1962)

Purchase				
\$ 150 000	U. S. Treasury bills	5/14/64		\$148 760 42
235 000	U. S. Treasury bills	6/18/64		232 258 33

## Illini Union and Health Center (December 21, 1960)

Purchase				
\$ 46 000	U. S. Treasury bills	5/14/64		\$ 45 655 64

## Illinois Street Residence Halls (October 17, 1962)

Sale				
\$ 590 000	U. S. Treasury bonds	3 percent	2/15/64	\$591 420 39

Purchase				
\$ 200 000	U. S. Treasury bills	2/13/64		\$199 853 33
323 000	U. S. Treasury bills	2/20/64		322 553 19
130 000	U. S. Treasury bills	3/12/64		129 761 67
250 000	U. S. Treasury bills	4/16/64		248 678 47

## Orchard Downs and SG-2 (June 14, 1960)

Purchase				
\$ 144 000	U. S. Treasury bills	5/14/64		\$142 813 40

## Orchard Downs Addition (May 24, 1962)

Purchase				
\$ 55 000	U. S. Treasury bills	4/16/64		\$ 54 709 26

## Student Services (May 17, 1961)

Purchase				
\$ 5 000	U. S. Treasury bills	4/16/64		\$ 4 975 81

*Sinking Funds*

## Assembly Hall (June 23, 1959)

Purchase				
\$ 201 000	U. S. Treasury bills	8/31/64		\$196 686 76

## Chicago — Dentistry-Medicine-Pharmacy Reserve (December 16, 1953)

Purchase				
\$ 5 000	U. S. Treasury bonds	4 per cent	8/15/72	\$ 4 973 44

## Housing Revenue Bonds (December 17, 1958; June 23 and October 21, 1959; June 14, 1960; June 21, 1961; May 24 and October 17, 1962)

Purchase				
\$ 443 000	U. S. Treasury bills	3/19/64		\$441 273 78

## Illini Union and Health Center (December 21, 1960)

Purchase				
\$ 262 000	U. S. Treasury bills	8/31/64		\$256 915 31
36 000	U. S. Treasury bills	1/31/65		34 733 64

## Student Services (May 17, 1961)

## Purchase

\$ 27 000	U. S. Treasury bills	3/19/64	\$ 26 891 76
31 000	U. S. Treasury bills	8/31/64	30 352 01
4 000	U. S. Treasury bonds	2½ per cent 2/15/65	3 975 00

On motion of Mr. Williamson, this report was received for record.

**ANNUAL REPORT OF THE TREASURER**

(16) In accordance with the By-Laws of the Board of Trustees, the Treasurer of the University has submitted a report of receipts and disbursements of University funds in his custody for the period March 1, 1963, to February 29, 1964, certified by the Comptroller. A copy of this report was sent to each member of the Board of Trustees prior to today's meeting, and a copy is filed with the Secretary of the Board.

This report was received for record.

**SALE OF MOVABLE EQUIPMENT TO ILLINOIS BUILDING AUTHORITY**

(17) The Board of Trustees of the University of Illinois on March 18, 1964, authorized the execution of a lease with the Illinois Building Authority for movable equipment to be financed by the Authority. Agreements have been reached with the Authority as to procedures for purchasing, handling, and identifying this equipment.

The Illinois Building Authority has requested the University of Illinois to purchase, identify, and place into the proper buildings movable equipment covered by the above-mentioned lease. At the end of each month, the Illinois Building Authority will reimburse the University of Illinois for expenditures incurred that month.

The Vice-President and Comptroller recommends that the Board of Trustees of the University of Illinois authorize the sale of equipment to the Illinois Building Authority under such a procedure.

I concur.

On motion of Mrs. Watkins, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

**SALE OF PROPERTY TO THE ILLINOIS BUILDING AUTHORITY**

(18) Pursuant to the authorization of the Board at its March 18, 1964, meeting, and with the approval of the Illinois Building Authority, the University of Illinois has acquired from the city of Urbana land required as part of the site of the new Civil Engineering Building, said land being Romine Street between Main Street and Springfield Avenue and part of the alley between Main and Stoughton Streets. By reason of vacation of this street and alley by the City and payment by the University for the same, title to the vacated areas is vested in the University.

This property is part of that scheduled for acquisition by the Illinois Building Authority under its land acquisition lease to the University, and it is now necessary for the Board of Trustees to authorize the sale of this property to the Illinois Building Authority.

The Vice-President and Comptroller and the Director of the Physical Plant recommend authorization of the sale of this land to the Illinois Building Authority at its acquisition cost and the adoption of the following resolution.

I concur.

**Resolution**

*Be It, and It Is Hereby, Resolved* by The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this corporation be, and they hereby are, authorized and directed, to execute, acknowledge, and deliver, in the name, and in behalf of, this corporation, and under its Corporate Seal, a Warranty Deed and such other documents in connection therewith as said Comptroller and Secretary may deem necessary or desirable in order to convey to the Illinois Building Authority, a body corporate



and politic of the State of Illinois, duly organized and existing pursuant to "An Act to create the Illinois Building Authority and to define its powers and duties," approved August 15, 1961, as amended, title to the following described property, viz:

That portion of Romine Street and Alley situated in the City of Urbana, in the County of Champaign, and State of Illinois vacated by an ordinance entitled "An Ordinance Vacating a Portion of a Street and an Alley" adopted by the City Council of the City of Urbana, Illinois on the twentieth day of January, A.D., 1964 and bounded and described as follows:

Commencing at the Northwest (NW) corner of Lot Five (5) in Block Fifty-one (51) of the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois, and thence West (W) Sixty-six feet (66') more or less, along the South (S) line of Main Street to the Northeast (NE) corner of Block Fifty-two (52) of said Seminary Addition thence South (S) along the East (E) line of Block Fifty-two (52) and Fifty-three (53) of said Seminary Addition, Five Hundred Sixty-three feet (563'), more or less, to the Southeast (SE) corner of said Block Fifty-three (53), thence East (E) Sixty-six feet (66') more or less, to the Southwest (SW) corner of Block Fifty-four (54) of said Seminary Addition, thence North (N) Four Hundred Fourteen and one-half feet (414.5'), more or less, along the West line of said Block Fifty-four (54) and Block Fifty-one (51) to the Northwest (NW) corner of Lot Six (6) of said Block Fifty-one (51), thence East (E) One Hundred Ninety-eight feet (198'), more or less, along the North (N) property line of Lots Six (6), Seven (7), and Eight (8) of said Block Fifty-one (51) to the Northeast (NE) corner of said Lot Eight (8), thence North (N) Sixteen and one-half feet (16.5') more or less, to the Southeast (SE) corner of Lot Three (3) in Block Fifty-one (51) of the Seminary Addition to Urbana, thence West (W) along the South (S) property line of Lots Three (3), Four (4), and Five (5) in Block Fifty-one (51) of the Seminary Addition to Urbana One Hundred Ninety-eight feet (198') more or less, to the Southwest (SW) corner of said Lot Five (5), thence North (N) along the West (W) property line of said Lot Five (5), One Hundred Thirty-two feet (132') more or less, to the Northwest (NW) corner of said Lot Five (5) in Block Fifty-one (51) of Seminary Addition to Urbana, the point of beginning; subject to easements to the City of Urbana, Illinois upon and under the above described tract for the maintenance and repair of all sewers and drains which are located on or under the surface of any part of the above described tract and subject to easements to all public utilities, their successors and assigns to operate, maintain and renew and reconstruct their facilities as now operated and maintained, in, over, or under the above described tract;

for, and in consideration of, the payment by said Illinois Building Authority of the sum of Ninety-two Thousand Eight Hundred Ninety-five Dollars (\$92,895.00) to this corporation.

On motion of Mr. Williamson, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

#### REPORT OF COMMITTEE ON GENERAL POLICY ON REVISIONS OF UNIVERSITY OF ILLINOIS STATUTES

Mr. Williamson, for the Committee on General Policy, presented the following report and recommendations for revisions of Sections 6, 38, and 39 of the University of Illinois Statutes dealing with tenure of academic staff and academic freedom which have been proposed by the University Senates and the Senate Coordinating Council.

This report was adopted by the Committee at a meeting held on April 14, 1964. Mr. Williamson served as temporary Chairman of the Committee in the absence of Mr. Johnston.

At its June 19, 1963, meeting the Board of Trustees received and referred to your Committee on General Policy for consideration and study the recommendations of the Senates and the Senate Coordinating Council for amendments in Sections 6, 38, and 39 of the existing University of Illinois Statutes. After reviewing the same with the President, the Committee found itself in substantial agreement with the Coordinating Council's proposals, but concluded that further discussion of certain portions was indicated. Thereafter, on the recommendation of your Committee, in November of 1963 the Board approved a procedure whereby the President was requested to arrange conferences between the Committee on General Policy, the President of the Board, the Chairman and one other member of each Senate Committee on Academic Freedom, the Chairman and Secretary of the Senate Coordinating Council, the President of the University and such staff consultants as he might designate.

Two such conferences were held, one on January 29, 1964, and the other on April 13, 1964, the date of this Report. The expressions were of material assistance to your Committee in formulating the recommendations contained in the Report which recommendations your Committee believes represent the consensus of the Conference.

Under Section 65 of the University Statutes, the modifications in the original proposals would be treated as statutory amendments proposed by the Board which require the advice of the Senates. Under these circumstances, and to provide maximum time for consideration by Senate members prior to their next meetings, your Committee is at this time filing this Report in summary form, together with its recommendations. It is anticipated that a detailed supplementary Report will be presented in due course.

Your Committee strongly endorses and recommends the adoption of the statutory amendments as proposed by the Senate Coordinating Council, except for four paragraphs [Sections 38 (d), 38 (e) (7), 38 (e) (8), and 39 (b)] in which certain additions or deletions are being recommended in this Report.

Section 38 (d) of the Council's revision defines due cause for dismissal and the modifications recommended by your Committee are intended to clarify that conduct clearly demonstrating professional incompetence or irresponsibility may constitute cause for dismissal, whether it occurs in the classroom laboratory, or elsewhere. Your Committee's proposals with respect to Section 38 (e) (7) are deemed to be a logical extension of matters in the record which the Board may consider in dismissal proceedings, and a further definition of the relevant factors to which the Board will give due consideration in designating the effective date of a dismissal. The modifications recommended by your Committee in Section 38 (e) (8) are based primarily on the advice from the Legal Counsel that state appropriations may not be expended as salaries to individuals who do not have an employment status and who do not perform personal services for the University.

Substantial changes in Section 39 (b) are proposed by your Committee to create a more precise understanding that, when he speaks or writes, a faculty member should be mindful of the admonitions for accuracy, forthrightness, and dignity, but "if he fails to heed these admonitions on an occasion when he is exercising his freedom of speech as a citizen, such failure shall not, of itself constitute due cause for dismissal but, after consultation with the Faculty Advisory Committee, the President may take official cognizance of such failure."

Accompanying this Report is an Appendix in which there is presented, in columnar form, the existing University Statutes, the revisions proposed therein by the Senate Coordinating Council, and (under the heading "Modification of Senates' Version Being Considered by Board Committee") the modifications in the four paragraphs of the Council's revision recommended by your Committee and summarized above.

Accordingly, in line with the comments and recommendations in this Report, it is moved that the following resolution be adopted by the Board of Trustees of the University of Illinois:

*"Be It Resolved* that the proposals for statutory revision as proposed by the Senate Coordinating Council and transmitted by the President on June 19, 1963, be tentatively approved, except as noted below, and

*"Be It Further Resolved* that the recommendations of the Committee on General Policy of the Board of Trustees of the University of Illinois in its

April 14, 1964, report on 'Revision of Sections 6, 38, and 39 of the University Statutes Proposed by Senate Coordinating Council' be considered amendments to the University Statutes proposed by the Board of Trustees, and that the advice of the University Senates be sought thereon as provided in Section 65 of the University Statutes."

#### COMMITTEE ON GENERAL POLICY

On motion of Mr. Williamson, this report was adopted and the recommendations of the Committee were approved without dissent. The Appendix showing the changes approved was filed with the Secretary of the Board for record.

#### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; declinations, resignations, and terminations; leaves of absence; cancellation of sabbatical leave of absence.

#### APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

- AMJADI, HORMOZ, Assistant in Psychiatry, College of Medicine, eight months from January 1, 1964, without salary (3-20-64).
- ANDERMANN, ROBERT E., Instructor in Art, Summer Session of 1964,  $\frac{2}{3}$  time, June 15-August 8, 1964, \$845 for the period (3-11-64).
- ANDERSON, JAMES P., Research Assistant in Anthropology, January 1-June 15, 1964, \$2,566.69 (3-5-64).
- ARNOLD, JOSEPH P., Research Associate in Vocational and Technical Education, College of Education,  $\frac{2}{3}$  time, March 1-June 15, 1964, \$1,563.36, supersedes (2-27-64).
- ASBUN, WADY L., Research Associate in Biological Chemistry, College of Medicine four months from May 18, 1964, \$600 a month, (3-6-64).
- BALL, M. A., Research Associate in Physics (C), one year from September 1, 1964, \$8,000 (3-11-64).
- BARBOUR, IAN M., Research Associate in Physics (C), one year from September 1, 1964, \$8,500 (3-11-64).
- BARDOS, ANDRAS M., Research Assistant in Physics (C), two months from June 16, 1964, \$1,020 (3-9-64).
- BARROW, JOSEPH M., Adviser on Campus Planning and Architect at the Njala University College, Sierra Leone, for service under Contract USAID/AFE-132, for the period March 23 through July 22, 1964, \$19,615 a year (3-5-64).
- BASSEL, MRS. ALIX I. R., Research Associate in Botany, February 16-August 31, 1964, \$6,500 a year (3-17-64).
- BELFORD, MRS. GENEVA G., Assistant Professor of Mathematics, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$850 for the period (3-19-64).
- BORESI, ARTHUR P., Professor of Theoretical and Applied Mechanics, Summer Session of 1964,  $\frac{1}{4}$  time, June 15-August 8, 1964, \$828 for the period (3-5-64).
- BROWN, GORDON E., Instructor in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$1,556 for the period, supersedes (3-5-64).
- BURKE, JAMES A., Instructor in Art, Summer Session of 1964,  $\frac{2}{3}$  time, June 15-August 8, 1964, \$964 for the period (3-11-64).
- BYNG, DENNIS E., Instructor in Art, Summer Session of 1964,  $\frac{2}{3}$  time, June 15-August 8, 1964, \$964 for the period (3-5-64).
- CARSON, RALPH S., Research Associate in Electrical Engineering (C), six months from March 1, 1964, \$5,250, supersedes (3-4-64).
- CLIFFORD, JOHN J., Research Associate in Education (Mathematics Project, University High School),  $\frac{3}{4}$  time seven months from February 1, 1964, \$4,812.50, supersedes (3-6-64).
- COOK, JOEL S., Visiting Lecturer in the University Theatre, Summer Session of 1964,  $\frac{3}{4}$  time, June 15-August 8, 1964, \$1,166 for the period (3-5-64).
- CRITTENDEN, BRIAN S., Instructor in History and Philosophy of Education, College of Education,  $\frac{3}{4}$  time, February 1-June 15, 1964, \$3,000 (3-9-64).
- DART, EDWARD D., Lecturer in Architecture, Chicago Undergraduate Division,  $\frac{1}{4}$  time, five months from February 1, 1964, \$1,250 (2-27-64).

- DIEKHANS, HERBERT H., Instructor in Mathematics, February 1-June 15, 1964, \$3,000, supersedes (3-6-64).
- EGBERT, PAUL R., Associate Professor of Electrical Engineering (C),  $\frac{1}{2}$  time, June 16-August 15, 1964, \$1,123, additional (2-7-64); and in the Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$1,123 for the period, supersedes previous Summer Session appointment (3-19-64).
- EZAWA, HIROSHI, Research Associate in Physics (C), seven months from February 1, 1965, \$700 a month (3-11-64).
- FASS, MARTIN, Research Associate in Motion Picture Services, College of Journalism and Communications, May 16-June 30, 1964, \$583.33 a month (3-11-64).
- FAULKNER, WESLEY W., Research Associate in Motion Picture Services, College of Journalism and Communications, two months from May 1, 1964, \$550 a month (3-11-64).
- FELLO, MICHAEL A., Research Assistant in Medicine (Medicine), five months from April 1, 1964, \$637.50 a month, supersedes (3-10-64).
- FENVES, STEVEN J., Associate Professor of Civil Engineering, and Research Associate Professor in the Coordinated Science Laboratory (C), indefinite tenure from March 1, 1964, to render service during each academic year, \$10,600 a year, supersedes (3-6-64).
- FETT, GILBERT, Professor of Electrical Engineering and Group Leader in the Indian Institute of Technology, Kharagpur, India, for service under Contract AIDc-1220, seven months from February 1, 1964, \$22,200 a year; and Professor of Electrical Engineering (C), indefinite tenure from September 1, 1964, to render service during each academic year, supersedes (3-23-64).
- FLEMING, ROBBERN W., Professor of Law, two months from June 16, 1964, \$2,222.50 a month; this is in addition to his present appointment (3-17-64).
- FOTHERGILL, WILLIAM, Instructor in Art, Summer Session of 1964,  $\frac{2}{3}$  time, June 15-August 8, 1964, \$1,038 for the period (3-19-64).
- HANDLER, JOEL F., Assistant Professor of Law, two months from June 16, 1964, \$1,333.50 a month; this is in addition to his present appointment (3-17-64).
- HARTOCH, ARNOLD J., Associate Professor of Foreign Languages, Chicago Undergraduate Division, indefinite tenure from March 1, 1964, to render service during each academic year, \$10,350 a year, supersedes (3-20-64).
- HOHN, FRANZ E., Professor of Mathematics, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$1,334 for the period, supersedes previous Summer Session appointment (3-19-64).
- JENNINGS, C. A., Visiting Lecturer in Speech and Theatre,  $\frac{1}{2}$  time, and in University Theatre,  $\frac{1}{2}$  time, Summer Session of 1964, June 15-August 8, 1964, \$1,750 for the period (2-28-64).
- JOHNSON, MILDRED S., Consultant in the Jane Addams Graduate School of Social Work, with rank of Assistant Professor, seven months from February 1, 1964, \$10,000 a year, supersedes (3-17-64).
- JONES, GARY E., Research Assistant in General Engineering (C), two months from June 16, 1964, \$1,022.22 (3-11-64).
- KARJALA, DENNIS S., Instructor in Electrical Engineering, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$556 for the period (3-18-64).
- KASKE, MRS. CAROL, Instructor in English,  $\frac{1}{3}$  time, February 24-June 15, 1964, \$2,267 (3-11-64).
- KEARNS, JOHN T., Research Associate in Psychology, five months from March 1, 1964, \$3,250 (3-20-64).
- KRANCH, LINDA L., Research Assistant in Animal Science (S), February 24-August 31, 1964, \$2,689.43 (3-9-64).
- KRISHNAMOORTHY, R. V., Research Associate in Physiology and Biophysics, one year from September 1, 1964, \$6,100 (3-26-64).
- LAGOW, ROBERT L., Research Associate in Motion Picture Services, College of Journalism and Communications, two months from May 1, 1964, \$550 a month (3-11-64).
- LEE, LEAH S., Research Assistant in Law, two months from September 1, 1964, \$1,150 (3-9-64).
- LEONHARD, ZELMA B., Visiting Lecturer in English, Chicago Undergraduate Division,  $\frac{3}{4}$  time, February 1-June 15, 1964, \$3,000 (3-11-64).
- MALONE, WILLIAM F. P., Instructor in Fixed Partial Prosthodontics,  $\frac{3}{4}$  time, and in Operative Dentistry,  $\frac{3}{4}$  time, College of Dentistry, five months from April 1, 1964, \$625 a month (3-20-64).

- McGURK, FLORENCE F., Research Assistant in the State Water Survey and in the Graduate College, three months from April 1, 1964, \$500 a month, supersedes (2-25-64).
- MOK, CHI-HUNG, Research Associate in Metallurgical Engineering (C), one year from September 1, 1964, \$9,000 (3-6-64).
- MONFORT, THOMAS N., Instructor in Veterinary Clinical Medicine, College of Veterinary Medicine,  $\frac{3}{4}$  time, February 1-June 15, 1964, \$562.50 a month (3-23-64).
- MORLEY, ALAN R., Research Assistant in Metallurgical Engineering (C), June 22-August 21, 1964, \$959.53 (3-16-64).
- NICHOLSON, MRS. MARILYN J., Research Assistant in Pharmacognosy and Pharmacology, College of Pharmacy, March 2-August 31, 1964, \$6,600 a year (2-27-64).
- PAGE, THOMAS, Associate Professor of Political Science, College of Liberal Arts and Sciences,  $\frac{1}{2}$  time, and Associate Professor in the Institute of Government and Public Affairs,  $\frac{1}{2}$  time, on indefinite tenure from March 1, 1964, to render service during each academic year, \$9,850, supersedes (3-20-64).
- PARDEE, WILLIAM D., Assistant Professor of Crop Extension (Agronomy) (S and E), five months from April 1, 1964, \$10,450 a year, supersedes (3-4-64).
- PERELMUTER, SAMUEL, Instructor in Biological Sciences, Chicago Undergraduate Division,  $\frac{3}{4}$  time, six months from March 1, 1964, \$2,025, supersedes (3-11-64).
- PFALLER, MRS. SHIRLEY B., Research Assistant in Chemistry, six months from March 1, 1964, \$2,749.98 (3-27-64).
- PHIPPS, THOMAS E., Professor of Physical Chemistry, nine months from September 16, 1963, \$12,400, supersedes (3-6-64).
- PLACEK, MRS. CYNTHIA B., Assistant Editor in Veterinary Medicine Administration, with rank of Assistant, College of Veterinary Medicine,  $\frac{1}{2}$  time, March 4-August 31, 1964, \$1,376 a year (3-10-64).
- PLUSQUELLEC, PAUL L., Assistant in Geology, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (3-12-64).
- POWERS, CLAUDIA A., Project Assistant in the State Natural History Survey and in the Graduate College, February 17-March 20, 1964, \$300.70 (3-19-64).
- POWNALL, GEORGE A., Research Assistant in Law, two months from June 16, 1964, \$1,733.32 (3-9-64).
- RAFUSE, ROBERT W., JR., Assistant Professor of Economics, to render service during the second semester of the academic year 1964-65, \$8,300 a year, supersedes (3-23-64).
- RANDALL, ROBERT F., Research Assistant in Entomology, two months from June 16, 1964, \$1,022.24 (3-2-64).
- RANHOTRA, G. S., Research Associate in Animal Science (S), five months from April 1, 1964, \$541.67 a month (3-26-64).
- RICHARTZ, LEON E., Assistant Professor in the Graduate School of Business Administration, two months from June 16, 1964, \$1,027.78 a month; this is in addition to his present appointment (3-17-64).
- ROBINSON, PHILIP C., Project Assistant in the State Natural History Survey and in the Graduate College, four months from March 1, 1964, \$1,200 (3-19-64).
- ROSENBLUM, MICHAEL, Instructor in English, Chicago Undergraduate Division,  $\frac{1}{2}$  time, February 1-June 15, 1964, \$1,300 (3-20-64).
- RUSSELL, JOHN K., Instructor in Electrical Engineering (C), to render service during the second semester of the academic year 1964-65, \$2,550, supersedes (2-26-64).
- SANDERSON, TREVOR R., Research Assistant in Metallurgical Engineering (C), June 22-August 21, 1964, \$959.53 (3-16-64).
- SARLAS, SOPHIE H., Instructor in Art, Summer Session of 1964,  $\frac{2}{3}$  time, June 15-August 8, 1964, \$845 for the period (3-11-64).
- SCHNEIDER, JOHN M., Research Associate in Electrical Engineering (C), five months from April 1, 1964, \$3,959.60, supersedes (3-16-64).
- SGOUTAS, DEMETRIUS, Research Associate in Food Science (S), five months from April 1, 1964, \$583.33 a month, supersedes (3-17-64).
- SIBINOVIC, MRS. SARAH K. H., Research Associate in Veterinary Pathology and Hygiene, College of Veterinary Medicine,  $\frac{3}{4}$  time, five months from April 1, 1964, \$2,500, supersedes (3-18-64).

- STORCH, RICHARD H., Research Assistant in Entomology, two months from June 16, 1964, \$1,108 (3-2-64).
- SWIATEK, KENNETH, Research Assistant in Biological Chemistry, College of Medicine, five months from April 1, 1964, \$429.17 a month (3-10-64).
- THOMPSON, WILLIAM N., Chief of Party and Adviser to Principal of Njala University College, for service under Contract USAID/AFE at the Njala University, Sierra Leone, for two years from March 1, 1964, \$20,000 a year; and Professor of Farm Management and Policy, Department of Agricultural Economics, indefinite tenure from March 1, 1966, supersedes (3-6-64).
- TIGERMAN, STANLEY, Lecturer in Architecture, Chicago Undergraduate Division,  $\frac{1}{4}$  time, five months from February 1, 1964, \$1,250 (2-27-64).
- TOLANI, AMBIKA J., Research Associate in Psychiatry, College of Medicine, seven months from February 1, 1964, without salary (3-6-64).
- TROUGHTON, TERENCE E., Field Biologist in the State Natural History Survey and in the Graduate College, four months from March 1, 1964, \$1,900 (2-26-64).
- ULLMANN, LEONARD P., Associate Professor of Psychology, indefinite tenure from March 1, 1964, to render service during each academic year, \$10,650 a year, supersedes (3-17-64).
- ZEH, HEINZ-DIETER, Research Associate in Physics (C), one month from March 12, 1964, \$800 (3-20-64).

#### FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- ALLEN, ROBERT R., Fellow in English, three months from June 16, 1964, \$900 (3-17-64).
- ALLERHAND, ADAM, Postdoctoral Fellow (Trainee) in Chemistry, June 16, 1964-January 31, 1965, \$5,437.50 (2-12-64).
- ARLON, ARY, Fellow in Art, three months from June 16, 1964, \$900 (3-17-64).
- BALDWIN, JOHN, Fellow in Chemistry, three months from June 16, 1964, \$900 (3-17-64).
- BLAKLEY, G. R., Fellow in Mathematics, three months from June 16, 1964, \$900 (3-17-64).
- BREEN, HARRY F., Fellow in Art, three months from June 16, 1964, \$900 (3-17-64).
- BROWNE, JULIA, Fellow in Art, three months from June 16, 1964, \$900 (3-17-64).
- CAREY, JAMES W., Fellow in Journalism, three months from June 16, 1964, \$900 (3-17-64).
- CAROTHERS, ZANE B., Fellow in Botany, three months from June 16, 1964, \$900 (3-17-64).
- COLE, HOWARD C., Fellow in English, three months from June 16, 1964, \$900 (3-17-64).
- COPACK, PAULA B., United States Public Health Service Fellow (Trainee) in Physiology, September 15, 1964-June 30, 1965, \$1,900 (3-10-64).
- DALTON, WILLIAM O., United States Public Health Service Fellow (Trainee) in Chemistry, seven months from February 1, 1964, \$1,575 (3-3-64).
- DAVENPORT, RICHARD, Fellow in Zoology, three months from June 16, 1964, \$900 (3-17-64).
- DELEY, HERBERT, Fellow in French, three months from June 16, 1964, \$900 (3-17-64).
- EDLEFSEN, BLAINE E., Fellow in Music, three months from June 16, 1964, \$900 (3-17-64).
- FARRELL, PETER, Fellow in Music, three months from June 16, 1964, \$900 (3-17-64).
- FOULKES, PETER, Fellow in German, three months from June 16, 1964, \$900 (3-17-64).
- FUMENTO, ROCCO L., Fellow in English, three months from June 16, 1964, \$900 (3-17-64).
- GABLE, NORMAN W., United States Public Health Service Fellow (Special) in Psychiatry, one year from December 1, 1963, without salary (1-14-64).
- GILDEN, CARL, United States Public Health Service Fellow (Trainee) in Psychiatry, three months from June 16, 1964, \$600 (3-10-64).
- GOLDING, SANFORD, Fellow in English, three months from June 16, 1964, \$900 (3-17-64).

- GUNTER, FRANK, Fellow in Art, three months from June 16, 1964, \$900 (3-17-64).
- HALL, JUANITA L., Vocational Rehabilitation Administration Fellow (Trainee) in Education, February 1-June 15, 1964, \$900 (3-2-64).
- HALVERSON, RICHARD A., United States Public Health Service Fellow (Trainee) in Psychiatry, January 1-June 15, 1964, \$366.66 (1-10-64).
- HEINS, A. JAMES, Fellow in Finance, three months from June 16, 1964, \$900 (3-17-64).
- HINOMOTO, HIROHIDE, Fellow in Industrial Administration, three months from June 16, 1964, \$900 (3-17-64).
- HOFFMANN, JOAN C., United States Public Health Service Fellow (Trainee) in Physiology, three months from April 1, 1964, \$725, supersedes (3-13-64).
- HOGAN, DONALD J., Fellow in English, three months from June 16, 1964, \$900 (3-17-64).
- KAPLAN, HERBERT H., Fellow in History, three months from June 16, 1964, \$900 (3-17-64).
- KAUF, ROBERT, Fellow in Foreign Languages, Chicago Undergraduate Division, three months from June 16, 1964, \$900 (3-17-64).
- KORD, VICTOR, Fellow in Art, three months from June 16, 1964, \$900 (3-17-64).
- KRETZMANN, NORMAN, Fellow in Philosophy, three months from June 16, 1964, \$900 (3-17-64).
- KRONIK, JOHN W., Fellow in Spanish, three months from June 16, 1964, \$900 (3-17-64).
- KUISEL, RICHARD F., Fellow in History, three months from June 16, 1964, \$900 (3-17-64).
- LENCEK, RADO L., Fellow in Russian, three months from June 16, 1964, \$900 (3-17-64).
- LEVINE, ROBERT D., United States Public Health Service Fellow (Trainee) in Psychiatry, January 1-June 15, 1964, \$366.66 (1-10-64).
- LONG, CHARLES A., Fellow in Zoology, three months from June 16, 1964, \$900 (3-17-64).
- LU, CHEN-PI, Fellow in Mathematics, three months from June 16, 1964, \$900 (3-17-64).
- MARKWALDER, DON, Fellow in Economics, three months from June 16, 1964, \$900 (3-17-64).
- MELNIK, SEYMOUR J., Medical Student Alternative Quarter Fellow, March 1-May 31, 1964, \$200 (2-27-64).
- MILLER, CAROL, Fellow in German, three months from June 16, 1964, \$900 (3-17-64).
- MILLER, MARILYN T., United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from January 1, 1964, \$3,250 (1-15-64).
- MOSES, RICHARD, Fellow in Art, three months from June 16, 1964, \$900 (3-17-64).
- MUNSINGER, HARRY, Fellow in Psychology, three months from June 16, 1964, \$900 (3-17-64).
- MURRAY, EDWARD F., Eli Lilly (Research) Fellow in Microbiology, one year from January 1, 1964, \$6,000 (2-3-64).
- NORMAN, WESLEY P., United States Public Health Service Fellow (Trainee) in Anatomy, two-fifths time, March 30-June 6, 1964, \$333 (3-10-64).
- NYKIEL, FLORIAN, United States Public Health Service Fellow (Trainee) in Otolaryngology, December 1, 1963-July 1, 1964, \$541.66 a month, supersedes (1-20-64).
- OSOFSKY, GILBERT, Fellow in History, Chicago Undergraduate Division, three months from June 16, 1964, \$900 (3-17-64).
- PACHMUSS, TEMIRA, Fellow in Russian, three months from June 16, 1964, \$900 (3-17-64).
- PAPPADEMOS, JOHN N., Fellow in Physics, Chicago Undergraduate Division, three months from June 16, 1964, \$900 (3-17-64).
- RAY, ROBERT K., Fellow in Art, three months from June 16, 1964, \$900 (3-17-64).
- SANDERS, THOMAS G., United States Public Health Service Fellow (Trainee) in Chemistry, February 1-June 15, 1964, \$1,050 (3-3-64).
- SAVAGE, JEROME, Fellow in Art, three months from June 16, 1964, \$900 (3-17-64).
- SCHMITZ, ROGER A., Fellow in Chemical Engineering, three months from June 16, 1964, \$900 (3-17-64).
- SHUGRUE, MICHAEL F., Fellow in English, three months from June 16, 1964, \$900 (3-17-64).

- SIMMONS, J. L., Fellow in Sociology, three months from June 16, 1964, \$900 (3-17-64).
- SIMON, JOHN K., Fellow in English and French, three months from June 16, 1964, \$900 (3-17-64).
- SLOAN, THOMAS O., Fellow in Speech, three months from June 16, 1964, \$900 (3-17-64).
- SMALLEY, WEBSTER, Fellow in Speech, three months from June 16, 1964, \$900 (3-17-64).
- STEINKAMP, STANLEY W., Fellow in Economics, three months from June 16, 1964, \$900 (3-17-64).
- SULLIVAN, DENIS, Fellow in Political Science, three months from June 16, 1964, \$900 (3-17-64).
- SWARTZ, ROBERT J., Fellow in Philosophy, three months from June 16, 1964, \$900 (3-17-64).
- TAYLOR, LUCILE N., Vocational Rehabilitation Administration Fellow (Trainee) in Recreation and Municipal Park Administration, February 1-June 15, 1964, \$900 (3-2-64).
- TESTA, DANIEL P., Fellow in Spanish, three months from June 16, 1964, \$900 (3-17-64).
- TEXTORIS, DANIEL, Fellow in Geology, three months from June 16, 1964, \$900 (3-17-64).
- TOMASSON, RICHARD F., Fellow in Sociology, three months from June 16, 1964, \$900 (3-17-64).
- TRAHERN, JOSEPH B., JR., Fellow in English, three months from June 16, 1964, \$900 (3-17-64).
- TUCKER, PATRICIA, Fellow in Mathematics, three months from June 16, 1964, \$900 (3-17-64).
- VETTERLING, JOHN M., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from February 1, 1964, \$5,500, supercedes (3-12-64).
- WHITE, MRS. JOAN F., Postdoctoral Fellow (Trainee) in Entomology, one year from July 1, 1964, \$6,300 (2-17-64).
- WHITSEL, BARRY L., United States Public Health Service Fellow (Trainee) in Pharmacology, six months from January 1, 1964, \$1,700 (12-17-63).

#### RESIGNATIONS, DECLINATIONS, AND TERMINATIONS

- BACKER, KENNETH A., Assistant in Electrical Engineering, Summer Session of 1964 — declination effective June 15, 1964.
- BELDEN, CARL R., Fellow in Landscape Architecture — resignation effective June 16, 1964.
- BIFANO, JACQUELINE, United States Public Health Service Fellow (Trainee) in Biological Chemistry — termination effective March 21, 1964.
- BUTTERWORTH, DOUGLAS, Fellow in Anthropology — resignation effective February 1, 1964.
- CHAPDU, ROBERT E., Instructor in English, Summer Session of 1964 — declination effective June 15, 1964.
- CRIGEE, LUTZ, Research Assistant Professor of Physics — resignation effective March 16, 1964.
- CRONBACH, LEE J., Professor of Educational Psychology, Bureau of Educational Research, College of Education; and Professor of Psychology, College of Liberal Arts and Sciences — resignation effective September 1, 1964.
- DOLNEY, EDWIN L., Research Associate in Education, University High School — resignation effective March 1, 1964.
- FARMER, MELVIN L., United States Public Health Service Predoctoral Fellow in Chemistry — resignation effective April 1, 1964.
- FRIEDMAN, ROBERT B., United States Public Health Service Fellow (Trainee) in Biological Chemistry — termination effective March 21, 1964.
- FUMENTO, ROCCO L., Assistant Professor of English, Summer Session of 1964 — declination effective June 15, 1964.
- HECHT, PATRICIA J., United States Public Health Service Fellow (Trainee) in Education (School Psychology) — resignation effective March 16, 1964.
- HURST, DAVID O., National Science Foundation Graduate Fellow in Chemistry — resignation effective March 16, 1964.



- KATAGUE, DAVID B., Research Assistant in Psychiatry, College of Medicine—resignation effective March 8, 1964.
- KUO, BENJAMIN, Associate Professor of Electrical Engineering, Summer Session of 1964—declination effective June 15, 1964.
- LIN, SONG-LIN, Assistant in Pharmacy, College of Pharmacy, Summer Session of 1964—declination effective June 22, 1964.
- MANWELL, CLYDE, Associate Professor of Physiology—resignation effective September 1, 1964.
- MEYER, EWY, Research Associate in Ophthalmology, College of Medicine—termination effective March 1, 1964.
- MONIN, MAX, Instructor in Psychiatry, College of Medicine—termination effective November 1, 1963.
- O'CONNOR, DENNIS M., Assistant Professor of Law—resignation effective September 1, 1964.
- ROSENBLOOM, CARL, United States Public Health Service Fellow (Trainee) in Biological Chemistry—termination effective March 21, 1963.
- SHANNON, DONALD T., Associate Professor of Psychology, Summer Session of 1964—declination effective June 15, 1964.
- SIEREN, DAVID J., Assistant in Botany, Summer Session of 1964—declination effective June 15, 1964.
- SPELLMAN, MRS. MARY, Commerce and Sociology Library Assistant—resignation effective April 1, 1964.
- STEPHENS, MRS. NANCY A., Architecture Library Assistant—resignation effective May 1, 1964.
- SWATEK, KENNETH, United States Public Health Service Fellow (Trainee) in Biological Chemistry—termination effective February 15, 1964.
- TAYLOR, HOWARD P., Part-time Medical Student Research Fellow in Pharmacology—termination effective December 31, 1963.
- TUCKWOOD, MRS. JO ANN, Library Science Librarian and Assistant Professor of Library Administration—resignation effective September 1, 1964.
- VAN DYCK, PETER C., Part-time Medical Student Research Fellow in Physiology—termination effective December 31, 1963.

#### LEAVES OF ABSENCE

- GREENBERG, MICHAEL J., Assistant Professor of Zoology—leave of absence, without pay, from March 1 through August 31, 1965, so that he may accept a National Science Foundation Senior Postdoctoral Fellowship in connection with his sabbatical leave of absence for the first semester of the academic year 1964-65.
- GUNTHER, GOTTHARD, Visiting Research Associate Professor of Electrical Engineering, College of Engineering—change in termination date of his leave of absence, without pay, from August 31, 1964, to July 31, 1964.
- HIRSCH, JERRY, Professor of Psychology—leave of absence, with full pay, effective March 18 through May 13, 1964, on account of sickness.
- KRETZMANN, NORMAN, Assistant Professor of Philosophy—leave of absence, without pay, for the academic year 1964-65, so that he may accept an offer to serve as a Visiting Associate Professor of Philosophy at Wayne State University.
- SCHOUR, ISAAC, Professor and Head of the Department of Histology, and Dean of the College of Dentistry—administrative leave of absence, with full pay, for three months from September 1, 1964, so that he may participate as an educational consultant and Research Professor at a decisive stage of development of the new dental school of Hebrew University of Jerusalem.
- STEINER, GILBERT Y., Professor and Director of the Institute of Government and Public Affairs—leave of absence, without pay, for nine months from September 16, 1964, so that he may serve as Visiting Professor of Political Science at the University of California at Berkeley.
- WACHOWSKI, THEODORE J., Clinical Professor of Radiology, College of Medicine, and Associate Radiologist in the Research and Educational Hospitals—extension of leave of absence, without pay, from March 1 through August 31, 1964, so that he may complete his assignments as President of the American College of Radiology.

#### CANCELLATION OF SABBATICAL LEAVE OF ABSENCE

- GERBNER, GEORGE, Associate Professor of Journalism and of Communications—

sabbatical leave of absence for the second semester of the current academic year 1963-64, is hereby cancelled.

#### **ASSOCIATION OF GOVERNING BOARDS OF COLLEGES AND UNIVERSITIES**

President Clement informed the Board that Mrs. Watkins, as a Regional Director of the Association of Governing Boards of Colleges and Universities, has been asked to attend a meeting of the Association at the University of Nevada in May of this year.

On motion of Mr. Swain, her participation in this meeting was authorized.

#### **FUTURE BOARD MEETINGS**

President Clement made the following announcements.

The May meeting will be held in Urbana as scheduled on Wednesday, May 20, 1964. The biennial meeting of the University of Illinois Citizens Committee will be held the following day and it is hoped that as many of the Trustees as can do so will stay over for that meeting. He suggested that the Board meeting be held on Wednesday evening, beginning at 8:00 o'clock, to shorten the time between the two meetings and unless there were objections, this schedule would be followed. There being no dissent, it was so ordered.

The June meeting is scheduled for Wednesday, June 17, 1964, and President Clement stated it will be held in Urbana, according to a schedule to be arranged by the President and the Secretary in consultation with the President of the University.

The Board then considered the date of the July meeting.

On motion of Mr. Pogue, the date of this meeting was changed from July 15, the third Wednesday, to Wednesday, July 22, to be held in Urbana.

#### **MEETING OF THE BOARD OF HIGHER EDUCATION**

President Clement also announced that the University will be host to the Illinois Board of Higher Education at its May meeting on May 4 and 5. The meeting will be held at the LaSalle Hotel. Plans for the meeting include a visit to the Congress Circle site.

#### **RECESS AND EXECUTIVE SESSION**

President Clement stated that an executive session has been requested and is being ordered for consideration of recommendations relating to land acquisitions and that this meeting was to be held after luncheon.

On motion of Mr. Williamson, the Board recessed.

#### **ADDRESSES BY MEMBERS OF THE FACULTY**

During the recess and following luncheon, Director Sheldon Fordham of the Division of Physical Education and Director of Athletics, Director Victor E. Ricks of the Division of Education, and Dean Glenn Terrell of the College of Liberal Arts and Sciences, at the Chicago Undergraduate Division, addressed the Board on the state of their respective administrative units and plans for the future.

When the Board reconvened, the same members, officers of the Board, and officers of the University were present as recorded at the beginning of these minutes.

The Board considered the following reports and recommendations.

**PURCHASE OF PROPERTY AT 1101 WEST CALIFORNIA  
AVENUE, URBANA**

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the property at 1101 West California Avenue, Urbana, at a price of \$51,000, the owner to retain possession until June 30, 1965.

The property is a corner lot, 65 feet on California Avenue and 151 feet on Gregory Place (9,815 square feet), and is improved with a two and one-half story and basement frame dwelling, used as a room and boarding house. It will be required as part of the site for the expansion of the Center for the Performing Arts.

Funds are available from temporary family housing reserves.

The Committee on Building and Grounds has been consulted and supports this recommendation.

I concur.

On motion of Mr. Pogue, the purchase of this property, at the price recommended, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

**PURCHASE OF PROPERTY AT 508 SOUTH GOODWIN AVENUE  
AND 1117 WEST ILLINOIS STREET, URBANA**

(2) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the contiguous properties at 1117 West Illinois Street and 508 South Goodwin Avenue, Urbana, at a total price of \$95,000. The land area is irregular with a 65 foot fronting on Illinois Street and 198 foot fronting on Goodwin Avenue (13,912 square feet) and is improved with two six-unit apartment buildings. The land is required as part of the site for the Center for the Performing Arts.

The Committee on Buildings and Grounds has been consulted and concurs in this recommendation.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Swain, the purchase of this property, at the price recommended, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

On motion of Mr. Swain, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**May 20, 1964**



The May meeting of the Board of Trustees of the University of Illinois was held in the Illini Union South, Urbana, Illinois, on Wednesday, May 20, 1964, beginning at 8:00 p.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Theodore A. Jones, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Wayne A. Johnston, Governor Otto Kerner, Mr. Ray Page, and Mr. Kenney E. Williamson were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker and Dean Glenn Terrell, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant, Mr. Earl W. Porter, Assistant to the President, Mr. Shannon McCune, Consultant to the President and to the Executive Vice-President and Provost, Mr. Vernon L. Kretschmer, Director of Auxiliary Services; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**  
The Board took up consideration of the following reports and recommendations from the President of the University.

**PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

**REPORT OF COMMITTEE ON GENERAL POLICY**

**Supplementary Report on Amendments of Statutes, May 1, 1964**

Mr. Jones, for the Committee on General Policy, presented the following report:

**Revisions of Sections 6, 38, and 39 of the University Statutes  
Proposed by Senate Coordinating Council**

On April 15, 1964, the Board of Trustees received and approved the Committee on General Policy's April 14, 1964, recommendations and summary report concerning revisions of Sections 6, 38, and 39 of the University of Illinois Statutes previously proposed by the University Senates and the Senate Coordinating Council. The April 14, 1964, Committee report recommended certain modifications of the statutory amendments forwarded by the Senates, and the Board's action of April 15 included the adoption of the following resolutions:

*"Be It Resolved* that the proposals for statutory revision as proposed by the Senate Coordinating Council and transmitted by the President on June 19, 1963, be tentatively approved, except as noted below, and

*"Be It Further Resolved* that the recommendations of the Committee on General Policy of the Board of Trustees of the University of Illinois in its April 14, 1964, report on 'Revision of Sections 6, 38, and 39 of the University Statutes Proposed by Senate Coordinating Council' be considered amendments to the University Statutes proposed by the Board of Trustees, and that the advice of the University Senates be sought thereon as provided in Section 65 of the University Statutes."

In line with the second of the above resolutions, arrangements are in process for transmittal of the amendments proposed by the Board of Trustees on April 15, 1964, to the University Senates for advice. Your Committee's April 14, 1964, report and recommendations, and the Appendix thereto outlining the development of the statutory revisions, will be included in the materials forwarded to the Senates, but that report was in summary form since there was not sufficient time between the April 14 meeting of the Committee with the President and Senate representatives and the April 15 meeting of the Board to prepare a more detailed statement. The Committee on General Policy believes that the further exposition in this supplementary report may be of assistance to the Senate members in developing advice to the Board of Trustees on the proposed amendments. There will be no opportunity for the Board of Trustees to consider or act upon this supplementary report prior to its next meeting on May 20, 1964, but it is being forwarded to the President at this time with the suggestion that it be included, as a Committee document only, in the materials transmitted to the Senates.

Those areas where the statutory amendments proposed by the Board of Trustees differ from those recommended by the Senate Coordinating Council are specifically noted in this supplementary report.

**Procedural Aspects**

The statutory revisions initiated by the Senates and tentatively approved by the Board of Trustees provide for the establishment of a general University committee at each campus (to be known as the "Faculty Advisory Committee"), nominated and elected by the academic staff. The stated functions of the Faculty Advisory Committee (Section 6)

*"shall be to provide for the orderly voicing of suggestions for the good of the University, for affording added recourse for the consideration of grievances,*

and for furnishing a channel for direct and concerted communication with administrative officers of the University, its colleges, schools, institutes, divisions, and other administrative units on matters of interest or concern to the academic staff or any member of it."

The fact that consultation with the Faculty Advisory Committee will be available both to members of the academic staff and to administrative officers is regarded as a significant clarification of the appropriate channels for such communication. Also, it is noted that the Senate's existing Committee on Academic Freedom will be renamed as a "Committee on Academic Freedom and Tenure."

In a dismissal situation, the President would be required to consult with the Faculty Advisory Committee of the appropriate campus before filing charges, but the determination of whether or not proceedings are to be instituted after such consultation is left with the President. If proceedings are instituted, charges are filed with the Senate, and the appointee is privileged to request a preliminary hearing on them before the Senate Committee on Academic Freedom and Tenure. This Senate Committee will receive evidence, hear arguments, and make findings, conclusions, and recommendations. Thereafter, the case may be closed, or the President may proceed to file the charges with the Board of Trustees.

The appointee may also request a hearing before the Board, at which a member of the Senate Committee on Academic Freedom and Tenure may be in attendance and is to be given an opportunity to make a statement. The record made at the previous hearing before the Senate Committee will be submitted to the Board, additional evidence may be taken and, under Section 38 (e) (7), "the Board will give due consideration to the findings, conclusions, and recommendations of the Committee on Academic Freedom and Tenure, and the remainder of the record before said Committee . . ." The modifications proposed by the Board of Trustees on April 15, 1964, included the addition of the italicized portion of the above phrase as a technical clarification of matters appropriately considered by the Board in a dismissal proceeding. The ultimate findings of fact and the final decision as to the appointee's dismissal or retention will be made by the Board, as is the case under the existing University Statutes. Public statements about a case under consideration are to be avoided so far as possible.

In designating the effective date of any dismissal or request for resignation, the Board is to give "due consideration to all relevant factors including, without limitation, the gravity of the appointee's conduct in question, the services to be rendered to the University by the appointee during any intervening period, and to the time reasonably required for the adjustment of the appointee's personal affairs." President Henry has stated to your Committee that he views time to adjust personal affairs as one of many factors to be considered in designating the effective date of a dismissal or requested resignation, and that the character of the appointee's conduct would also appear to be relevant to this point. The Legal Counsel has stated that under existing Illinois law state appropriations for personal services may not be used to pay salary unless services are, in fact, performed. Accordingly, the modifications in Section 38 (e) (7) proposed by the Board of Trustees at its April 15, 1964, meeting added the italicized portion of the above phrase as being a further definition of the factors to which the Board will give due consideration in designating the effective date of a dismissal or requested resignation.

In large measure, the Senate Coordinating Council's procedural suggestions tentatively approved by the Board of Trustees on April 15, 1964, follow existing administrative practice in dismissal cases, but considerably more detail is furnished than is found in the present University Statutes. The major procedural innovations which will now be formalized are (1) the necessity of the President's consultation with the Faculty Advisory Committee as a condition precedent to the filing of charges for dismissal, and (2) the establishment of detailed requirements of notice and procedures for the hearing before the Senate Committee on Academic Freedom and Tenure.

Consultation with the Faculty Advisory Committee will furnish an opportunity for the President to have direct communication with a formally designated faculty group before preferring charges, but he would not be prevented from also conferring with the appropriate college or department as he has done in the past.

All parties concerned would appear to be benefited by the new procedural details for the preliminary hearing before the Senate Committee on Academic Freedom and Tenure. That Committee has the opportunity to consider the ap-

pointee's answer to the charges, to receive evidence, and to hear arguments presented by each side. Under existing University Statutes, the appointee against whom charges are filed is already entitled to a hearing before this Senate Committee but the tentatively approved revisions will formalize the Committee procedures for such hearing. A new requirement is that the appointee must file an answer to the charges if he requests a hearing before the Committee.

It is noted that, by reason of the times specified for notices and hearings before the Senate Committee and the Board, a minimum of sixty-five days will elapse between the time the President files charges with the Senate and the commencement of the hearing before the Board of Trustees. This minimum contemplates consultation, hearing, consideration, and decision by the President and the Senate Committee on the first day at each stage of the proceedings. It is apparent that, in practice, such immediate disposition will not be possible, and that the interval between the filing of charges and the Board hearing will substantially exceed sixty-five days.

### Substantive Matters

The amendments to the Statutes proposed by the Board of Trustees in its April 15, 1964, action contain some substantive changes in the revisions initiated in the Senates and received by the Board in June of 1963. The most significant of these are in the Board's proposed modifications in the Coordinating Council's Section 38 (d) definition of "due cause for dismissal" and the new Section 38 (e) (8) relating to suspensions. Additionally, the Board has proposed a substantial amendment to Section 39 (b) dealing with a faculty member's role as a citizen, which Section was not the subject of a recommendation by the Coordinating Council.

#### 1. *Due Cause for Dismissal*

Existing Section 38 (d) reads as follows:

"(d) Cause for discharge shall consist of conduct seriously prejudicial to the University through deliberate infraction of law or commonly accepted standards of morality, neglect of duty, inefficiency or incompetency. The enumeration of causes for discharge shall not be deemed exclusive, and the Board of Trustees reserves the power to discharge for other causes, but it is to be distinctly understood that this power will be exercised only under exceptional circumstances and then only for conduct which is clearly prejudicial to the best interests of the University."

The Coordinating Council rewrote the definition of due cause for dismissal with considerable changes in language and emphasis. The amendments to Section 38 (d) proposed by the April 15, 1964, action of the Board of Trustees adopt the basic approach and concepts of the Council's version but would modify the Council's language slightly to read (the matter deleted from Council version shown within brackets with lines through the deletions, and matters added to Council version shown by italics):

"(d) Due cause for dismissal shall be deemed to exist only if [~~with all due regard for the freedoms and protections provided for in Section 39 of these Statutes,~~] a faculty member's conduct is found to demonstrate clearly and convincingly either that (1) he has been grossly neglectful of, or grossly inefficient in, the performance of his University duties, or that (2) he can [~~no longer~~] not be relied upon to perform his University duties and functions, or otherwise to conduct himself, in a manner consonant with professional standards of conduct, competence, and responsibility."

The phrase "with all due regard for the freedoms and protections provided in Section 39 of these Statutes" has been eliminated to avoid possible confusion in interpretation between Section 38 (d), in which the causes for dismissal are defined, and Section 39, in which is stated the University's policy to encourage, promote, and maintain academic freedom within the limits therein set forth. A reference to "freedoms and protections provided for in Section 39" would necessitate a similar reference to the "responsibilities" required by that Section. It is clear that certain responsibilities set forth in Section 39 are of a nature that violation of them will result in dismissal. For example, Section 39 (c), in which no change has been recommended, must be interpreted as meaning that to advocate the overthrow of our constitutional form of government by force or violence is unprofessional conduct, per se, and that one indulging in such advocacy will be dismissed.

On the other hand, other parts of Section 39, particularly Section 39 (b) dealing with the role of a faculty member as a citizen, invite debate as to whether they are admonitory in nature or postulate standards for dismissal for cause. Since the new Section 38 (d) orients due cause for dismissal to the question of the faculty member's professional competence or responsibility, it is felt that a specific cross-reference in it to Section 39 might tend to confuse, rather than to clarify, and that clarification should occur as an amendment to Section 39 (b) as discussed below. Accordingly, the Committee on General Policy's recommendation to delete the phrase in question was prompted by its conviction that freedoms, protections, responsibilities, and obligations delineated in Section 39 will always be given "due regard" when the conduct of a faculty member is in question, and that a reference to them in Section 38 (d) would serve no constructive purpose.

The language added to the Council's version of Section 38 (d) by the Board of Trustees' action on April 15, 1964, was designed to clarify that conduct clearly demonstrating professional incompetence or irresponsibility may constitute cause for dismissal, whether it occurs in the classroom, laboratory, or elsewhere. It was felt that without the addition of the words "or otherwise to conduct himself" and "conduct," as proposed by the Board's April 15, 1964, action, the paragraph might be interpreted to mean that dismissal proceedings could be initiated only for classroom or laboratory deficiencies that directly relate to the individual's ability to perform within the classroom or research context. As modified, there should be no uncertainty that, consistent with previous statements by the Board of Trustees, extramural activities of a teacher may be of such a nature and of such seriousness as to demonstrate his professional unfitness.

Your Committee views Section 38 (d) as recommended by the Board to be an affirmation of the fact that one who is professionally competent and responsible can rely on security of employment at the University of Illinois, and that the central issue in any dismissal proceeding will remain such professional competency and responsibility, rather than the effect of particular conduct upon the public image of the University.

## 2. Amendments to Section 39 (b)

As noted above, the action of the Board of Trustees on April 15, 1964, proposed a modification of Section 39 (b), with respect to which no recommendation had been made by the Senate or the Senate Coordinating Council.

Section 39 (b) in the existing Statutes reads:

"(b) In his role as citizen, the faculty member has the same freedoms as other citizens, without institutional censorship or discipline, although he should be mindful that accuracy, forthrightness, and dignity befit his association with the University and his position as a man of learning."

Extended discussions have occurred regarding the nature of the matters a faculty member is to be "mindful" of under existing Section 39 (b). By some they are regarded as ideals of scholarly conduct and expression which 39 (b) admonish a faculty member to strive to achieve. By others they are viewed as standards of professional conduct and expression which the faculty member must observe under pain of University discipline. Contributing to the uncertainty is the fact that, while the old section 39 (b) refers to "institutional censorship or discipline," the University Statutes do not provide for any censorship or discipline other than dismissal for cause.

It was the view of your Committee, confirmed by the Board's action on April 15, 1964, that clarification of Section 39 (b) was in the best interest of the University and its faculty. Accordingly, the following is the text of Section 39 (b) now being transmitted to the Senates for advice:

"(b) In his role as a citizen, the faculty member at the University has the same freedoms as other citizens, but his special position as a member of a learned profession associated with an educational institution carries with it a special obligation to recognize that the public may judge his profession and the University by his conduct or his utterances. When he speaks or writes, a faculty member should be mindful of the admonitions that accuracy, forthrightness, and dignity befit his association with the University and his position as a man of learning. If a faculty member fails to heed these admonitions on an occasion when he is exercising his freedom of speech as a citizen, such failure shall not, of itself, constitute due cause for dismissal but, after consultation with the



Faculty Advisory Committee, the President may take official cognizance of such failure."

It will be observed that the Section has been recast to note the faculty member's institutional identification in the eyes of the public, and to clarify that, when a faculty member is exercising his freedom of speech as a citizen, the provisions relating accuracy, forthrightness, and dignity are admonitory.

As rewritten, Section 39 (b) is believed to provide further definition and assurances of the freedoms enjoyed by a faculty member in his role as a citizen, but it also authorizes the President to take "official cognizance" of such exercises of these freedoms as markedly fail to meet acceptable standards of accuracy, forthrightness, and dignity. For example, the President—after consultation with the Faculty Advisory Committee—might publicly deplore inaccurate, intemperate, undignified, or irresponsible utterances of a faculty member, and emphasize that such views were not to be attributed to the University of Illinois.

The reference to freedom from "institutional censorship or discipline" has been eliminated and has been replaced by an assurance that failure to heed the stated admonitions will not, of itself, constitute due cause for dismissal—the only discipline defined in the remainder of the Statutes. It would be the interpretation of your Committee, however, that persistent and willful failures to observe these admonitions might become a pattern of conduct deemed to violate professional standards to an extent that would indicate the initiation of proceedings for dismissal for due cause under the new Section 38 (d).

### 3. *Suspension Pending Dismissal*

The new Section 38 (e) (8) in the proposals received from the Senate Coordinating Council sets forth conditions for the suspension of an appointee in connection with contemplated or actual filing of charges for dismissal. The Council version included a statement that an appointee might be suspended "only . . . with pay." President Henry has supported this provision before your Committee, urging strongly that a faculty member's salary be continued until the Board's final disposition of a dismissal proceeding, if possible, even if suspension during the intervening period is considered necessary and justified because of special circumstances. He has stated that, in his judgment, the amount of dollars paid during any suspension period would be relatively insignificant when weighed against the undesirability of requiring a faculty member to prepare his defense against unresolved charges during a time in which he is not receiving his salary. President Henry has further cautioned that, when a suspension without pay is involved, the basic issue of professional responsibility tends to become confused with the lesser issue of compensation.

The Legal Counsel advises, however, that the Illinois constitutional prohibitions against payment of extra compensation and gifts of public funds, the statutory limitations on appropriations for personal services, and the various enactments concerning the suspension of other state employees (either as a disciplinary measure or while dismissal proceedings are pending), all demonstrate the public policy and law of this state to be that suspensions of state employees should be without pay, and that state appropriations for personal services may not be expended as salaries to individuals, including faculty members, who do not have employment status or who do not perform services. In expressing his opinion that, in the absence of permissive legislation, suspensions of state employees with pay would probably not be upheld by the Illinois courts, the Legal Counsel has stated there appear to be no reported Illinois cases squarely deciding the point.

President Henry has suggested that, under these circumstances, it may be advisable for the University Statutes to deal with the subject of suspensions pending dismissal without specifying whether such suspensions are to be with or without pay, thereby providing flexibility of application if future court decisions or legislation provide clarification of the legal question. The Board's April 15, 1964, action, therefore, deletes the words "with pay" from the Council's version of Section 38 (e) (8).

Also, under the Coordinating Council's version of Section 38 (e) (8), suspension was authorized "only under exceptional circumstances." Any instance in which a suspension is being considered can be said to be an "exceptional circumstance" and, since a subjective judgment by the President would be involved in any event, the Board of Trustees' amendments proposed at the April 15, 1964,

meeting substitute, for the "exceptional circumstances" phrase, a provision which would permit suspension "by the President only when he considers such suspension clearly necessary and justified."

It is observed that suspension will not be automatically applied when dismissal charges are being considered or filed and that, in an appropriate case, the President might reassign a faculty member's duties rather than invoke a suspension, on the same theory that permits the Board to take into account the nature of an appointee's intervening services in determining the effective date of a dismissal.

In your Committee's conferences with members of the administrative staff and Senate representatives, there occurred discussions concerning the position of a faculty member who might be suspended without pay and thereafter be exonerated at the hearing on his dismissal charges. The Legal Counsel has pointed out that in those cases where the courts have determined that a suspension has been improperly invoked, it has been held that the suspended employee may recover his unpaid salary for the period he was improperly suspended. Accordingly, the Board has added a new subparagraph (4) to the Council's version of Section 38 (e) (8) under which provision is made for the restoration of salary to a faculty member who might be prevented from performing his duties by reason of a suspension which does not result in a dismissal. Your Committee is not aware of any instance in the history of the University wherein a faculty employee has been deprived of his compensation during a period while dismissal charges against him were unresolved but, even if this should occur in a future case, the amendment to Section 38 (e) proposed by the Board of Trustees would permit the appointee to recover any suspended salary if there is a subsequent determination that due cause for his dismissal did not exist.

In the Coordinating Council's version of Section 38 (c) (8) there was also a technical inconsistency between the time that the President must file charges under Section 38 (e) (1) after consultation with the Faculty Advisory Committee (thirty days) and the time that his suspension order will terminate after consultation with that Committee unless charges are filed (twenty days). To eliminate this inconsistency, and upon the Legal Counsel's advice as to the legality of suspensions with pay pending hearing or discharge, the action of the Board of Trustees on April 15, 1964, proposed that Section 38 (e) (8) of the Coordinating Council's version be altered to read as follows (the matter deleted from Council version shown within brackets with lines through the deletions, and matters added to Council version shown by italics):

"(8) Suspension. An appointee may be suspended ~~[only under exceptional circumstances and with pay]~~ by the President only when he considers such suspension clearly necessary and justified, subject to the following provisions: a) the President may suspend before the filing of any charges only after giving notice to the chairman or, in the absence of the chairman from the University, to some member of the Faculty Advisory Committee that he believes that cause for dismissal may exist; b) if the President suspends after so giving notice to the chairman or some member of the Faculty Advisory Committee, or during consultation with the Faculty Advisory Committee, such suspension shall terminate within ~~[twenty]~~ thirty days after that Committee has made its recommendations to the President unless the President initiates dismissal proceedings by the filing of charges for dismissal within that ~~[twenty]~~ thirty-day period; ~~[and]~~ c) if the President initiates dismissal proceedings by filing charges for dismissal, he may suspend the appointee, or may extend a previous suspension of the appointee, until the termination of those proceedings, or until the effective date of dismissal if the proceedings result in dismissal; and d) if dismissal proceedings are not filed against a faculty member who has been suspended or, if filed, do not result in a dismissal, the faculty member shall be entitled to receive the full amount of his agreed compensation as though no suspension had occurred."

#### Summary

The Committee on General Policy wishes to express its appreciation for the considerable effort and conscientious attention directed to the proposed revisions of Sections 6, 38, and 39 of the University Statutes by each of the Senates, their respective Committees on Academic Freedom, the Senate Coordinating Council, and the President and other members of the administrative staff. All have con-

tributed materially to the development of what your Committee views as a major improvement in the formal expression of standards and procedures in the fortunately rare situation where there may appear to be due cause for dismissal of a faculty member, or where a faculty member may have so far departed from the canons of accuracy, forthrightness, and dignity as to justify the taking of official cognizance thereof by the President.

The Trustees are acutely aware of their position of public trust and their obligation to discharge faithfully their duty to maintain the University's position of leadership in the field of higher education. They have in the past and will continue in the future to support responsible exercise of academic freedom by the faculty, and duly recognize its importance as a factor in achieving and maintaining the status the University now enjoys. It does the public no service if responsible thought and inquiry are stultified or suppressed at a university by a possibility that expressions of an unpopular position may result in an arbitrary or capricious dismissal, and the proposed Statutes are further guarantees that such will not occur at the University of Illinois. At the same time, in the view of your Committee the Statutes as proposed will also afford the University adequate protection against unprofessional conduct.

During your Committee's deliberations there were discussions of the fact that the University Statutes do not refer to any form of "institutional discipline" in relation to the academic staff other than dismissal for due cause as defined in Section 38 (d) [the official cognizance authorized in proposed Section 39 (b) is not considered to be a form of discipline]. It was observed that the omission of reference to lesser degrees of discipline might be misinterpreted as meaning that the Trustees were not concerned about negligence, inefficiency, or irresponsibility in lesser degrees than those deemed to be due cause for dismissal under Section 38 (d). Such is not the case, but since these matters were not dealt with in the Coordinating Council's proposals, and since complete involvement of the Senates in discussions on these points would be essential, your Committee concluded that any attempt to develop formal provisions concerning lesser offenses and sanctions short of dismissal would unduly delay final action on the statutory revisions already considered by the Senates. It is suggested, however, that at an appropriate time the Board or the Senates might well consider whether or not these matters should become the subject of further statutory revisions.

On motion of Mrs. Watkins, this report was adopted, without dissent.

#### AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
ROBERT SEABORN HOLMES	Milwaukee, Wisconsin	Wisconsin
JAMES LOUIS KATZ	Niles, Illinois	Wisconsin
WILLIAM WILFRED WERNER	Downers Grove, Illinois	Michigan

I concur.

On motion of Mr. Pogue, these certificates were awarded.

#### APPOINTMENTS TO THE FACULTY

(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. ARNOLD M. BARBAN, Assistant Professor of Advertising, in the College of Journalism and Communications, beginning September 1, 1964, at an annual salary of \$9,000.
2. WILLIAM W. BARTLEY III, Visiting Associate Professor of Philosophy, for the 1964 Summer Session, at a salary of \$2,550.

3. WILLIAM D. BIGGS, Visiting Professor of Metallurgy and of Civil Engineering, for four and one-half months from February 1, 1965, at a salary of \$6,000.
4. MARVIN P. BRYANT, Associate Professor of Bacteriology, in the Department of Dairy Science, beginning September 1, 1964, at an annual salary of \$14,500.
5. JACKSON J. CAMPBELL, Professor of English, beginning September 1, 1964, at an annual salary of \$15,000.
6. LAURA H. CHAPMAN, Assistant Professor of Art, beginning September 1, 1964, at an annual salary of \$7,500.
7. EDMOND R. COLE, Research Assistant Professor of Biochemistry, in the Department of Surgery, beginning April 1, 1964, without salary.
8. ROBERT M. CRANE, Assistant to Vice-President, Chicago Undergraduate Division, beginning September 1, 1964, at an annual salary of \$14,500.
9. GEORGE O. DE TARNOWSKY, Clinical Assistant Professor of Surgery, beginning May 1, 1964, without salary.
10. GEORGE C. FENG, Assistant Professor of Civil Engineering, beginning September 1, 1964, at an annual salary of \$7,500.
11. JOHN B. HANEY, Associate Director, with rank of Associate Professor, Office of Instructional Resources, Chicago Undergraduate Division, beginning July 20, 1964, at an annual salary of \$14,500.
12. BRUCE HARKNESS, Associate Dean of the College of Liberal Arts and Sciences and Professor of English, beginning June 15, 1964, at an annual salary of \$18,000.
13. JAMES E. HEATH, Assistant Professor of Physiology and Biophysics, for two months from June 16, 1964, at a salary of \$1,778; and beginning September 1, 1964, at an annual salary of \$8,000.
14. EDWARD R. HOLLEY, JR., Assistant Professor of Civil Engineering, beginning September 1, 1964, at an annual salary of \$8,100.
15. KENNETH I. HOWARD, Clinical Assistant Professor of Psychology, in the Department of Psychiatry, College of Medicine, beginning April 1, 1964, without salary.
16. ALBERT KASPIN, Associate Professor of Slavic Languages and Literatures, beginning September 1, 1964, at an annual salary of \$11,000.
17. VERNITA M. KAY, Associate Professor of Nursing, beginning September 1, 1964, at an annual salary of \$10,300.
18. HOWARD F. KOEPER, Associate Professor of Architecture, Chicago Undergraduate Division, beginning September 1, 1964, at an annual salary of \$11,000.
19. EBERHARD F. KRIMMEL, Research Assistant Professor of Physics, beginning September 1, 1964, at an annual salary of \$9,000.
20. RALPH J. LANGSJOEN, Assistant Professor of Hygiene and Staff Physician in the Health Service and McKinley Hospital, beginning July 1, 1964, at an annual salary of \$15,000.
21. DAVID W. LEVINSON, Professor of Metallurgy, Department of Materials and Mechanics, College of Engineering, Chicago Undergraduate Division, beginning September 1, 1964, at an annual salary of \$15,750.
22. PETER B. MAGGS, Assistant Professor of Law, beginning September 1, 1964, at an annual salary of \$10,500.
23. WILLIAM H. C. MAXWELL, Assistant Professor of Civil Engineering, beginning September 1, 1964, at an annual salary of \$7,800.
24. BOLESŁAW MAZUR, Associate Professor of Fixed and Partial Prosthodontics, College of Dentistry, beginning September 1, 1964, at an annual salary of \$11,200.
25. N. NORBY NIELSEN, Assistant Professor of Civil Engineering, beginning September 1, 1964, at an annual salary of \$9,000.
26. HUGH O. NOURSE, Associate Professor of Economics, in the Department of Economics and in the Bureau of Economic and Business Research, beginning August 1, 1964, at an annual salary of \$12,750.
27. JEFFREY O'CONNELL, Associate Professor of Law, beginning September 1, 1964, at an annual salary of \$15,000.
28. GIULIANO PETERGNANI, Research Assistant Professor of Physics, beginning September 1, 1964, at an annual salary of \$9,000.

29. MARY ELIZABETH REEVES, Dean of Women, Medical Center, and Assistant Professor of Psychology, College of Pharmacy, beginning September 1, 1964, at an annual salary of \$11,000.
30. ROBERT C. RETHERFORD, Professor of Physics, beginning September 1, 1964, at an annual salary of \$14,500.
31. FLORENCE E. SHERBON, Associate Professor of Nursing, beginning September 1, 1964, at an annual salary of \$15,000.
32. PETER SUEDELD, Visiting Assistant Professor of Psychology, for one year from September 1, 1964, at a salary of \$8,250.
33. GEORGE W. SUMMERS, Associate Professor of Business Administration, beginning September 1, 1964, at an annual salary of \$12,000.
34. IRVING THALBERG, Assistant Professor of Philosophy, Chicago Undergraduate Division, for the second semester of 1964-65, at a salary of \$4,500.
35. MYRON URETSKY, Assistant Professor of Accountancy, beginning September 1, 1964, at an annual salary of \$9,000.
36. HARRY G. WENZEL, JR., Assistant Professor of Civil Engineering, beginning September 1, 1964, at an annual salary of \$7,800.
37. KENNETH M. YOSS, Professor of Astronomy, beginning September 1, 1964, at an annual salary of \$13,000.

#### **Appointments of Noncitizens to Indefinite Tenure Positions**

The following recommendations for appointments on indefinite tenure of non-citizens were reviewed by a committee consisting of the Executive Vice-President and Provost, the Acting Dean of the Graduate College, and the dean of the college concerned in accordance with the policy and procedure authorized by the Board of Trustees for consideration of such appointments. The Committee has concurred in the recommendations.

38. ALEXANDRA IONESCU TULCEA, Associate Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$10,000.
39. CASSIUS IONESCU TULCEA, Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$15,000.
40. MANFRED E. REICHMANN, Professor of Botany, beginning September 1, 1964, at an annual salary of \$15,500.

On motion of Mr. Swain, these appointments were confirmed.

#### **DIRECTOR OF THE PHYSICAL ENVIRONMENT UNIT**

(3) The Deans of the Colleges of Engineering and of Liberal Arts and Sciences, and the Acting Dean of the Graduate College, recommend the appointment of Dr. Bruce A. Hertig as Associate Professor in the Department of Mechanical and Industrial Engineering on one-half time and in the Department of Physiology and Biophysics on one-half time, and Director of the Physical Environment Unit in the Graduate College, for one year from September 1, 1964, at a salary of \$12,000 on a twelve-month service basis. The Executive Vice-President and Provost concurs.

This appointment is to fill the vacancy which will be created by the retirement on September 1, 1964, of Professor M. K. Fahnestock.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

#### **CHAIRMANSHIP OF DEPARTMENT OF ZOOLOGY**

(4) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor Paul Silverman as Chairman of the Department of Zoology beginning July 1, 1964, and continuing through August 31, 1965.

This appointment is to fill the unexpired term of Professor James B. Kitzmiller, who has been serving as Chairman of the Department since 1957 and who has asked to be relieved of the administrative duties as Chairman.

The recommendation has been submitted after consultation with the members of the Department of Zoology of professorial rank, the Executive Committee of the Department, and the Director of the School of Life Sciences. The Acting Dean of the Graduate College and the Executive Vice-President and Provost also concur.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.

**ACADEMIC DEPARTMENTS AT CHICAGO UNDERGRADUATE DIVISION**

(5) In approving the expansion of the educational program at the Chicago Undergraduate Division, the Board authorized the establishment of six major administrative units: Colleges of Liberal Arts and Sciences, Engineering, Commerce and Business Administration (later changed to Business Administration), Fine and Applied Arts (later changed to Architecture and Art); and the Divisions of Education and Physical Education. The Board also authorized the establishment of departments within the four colleges, to be designated later.

The Chicago Undergraduate Division Senate has recommended, the Vice-President for the Division and the Executive Vice-President and Provost concurring therein, the designation of the following departments:

*College of Liberal Arts and Sciences:* Biological Sciences, Chemistry, English, French, Geography, Geology, German, History, Mathematics, Music, Philosophy, Political Science, Psychology, Russian Languages, Sociology and Anthropology, Spanish, and Speech and Theatre.

*College of Engineering:* Energy Engineering, Information Engineering, Materials and Mechanics, Physics, and Systems Analysis and Design.

*College of Business Administration:* no departmental organization, but with areas of concentration in Accounting, Economics, Finance, Management, and Marketing.

*College of Architecture and Art:* Architecture, Art.

Some of these departments have already been formally designated by the Board in approving appointments to headships or chairmanships but they are being reported here as a complete presentation for the record.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I recommend approval.

On motion of Mr. Pogue, this recommendation was approved.

**HEADSHIP OF THE DEPARTMENT OF BIOLOGICAL SCIENCES,  
CHICAGO UNDERGRADUATE DIVISION**

(6) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. John O. Corliss, presently Professor of Zoology at Urbana, as Professor of Biological Sciences on indefinite tenure and Head of the Department of Biological Sciences in the College of Liberal Arts and Sciences at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of \$17,000 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mr. Hughes, this appointment was approved.

**HEADSHIP OF THE DEPARTMENT OF GEOGRAPHY,  
CHICAGO UNDERGRADUATE DIVISION**

(7) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. Alden D. Cutshall, presently Professor of Geography in the Division of Social Sciences, as Professor of Geography on indefinite tenure and Head of the Department of Geography at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of \$15,000 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.

**HEADSHIP OF THE DEPARTMENT OF GERMAN,  
CHICAGO UNDERGRADUATE DIVISION**

(8) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr.

Daniel C. McCluney, Jr., presently Associate Professor of German Languages and Literatures at Stanford University, as Professor of German on indefinite tenure and Head of the Department of German in the College of Liberal Arts and Sciences at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of \$14,000 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

**HEADSHIP OF THE DEPARTMENT OF MUSIC,  
CHICAGO UNDERGRADUATE DIVISION**

(9) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Edwin R. Fissinger, presently Assistant Professor of Music in the Division of Humanities, as Assistant Professor of Music and Head of the Department of Music in the College of Liberal Arts and Sciences at the Chicago Undergraduate Division for one year from September 1, 1964, at a salary of \$10,000 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

**HEADSHIP OF THE DEPARTMENT OF POLITICAL SCIENCE,  
CHICAGO UNDERGRADUATE DIVISION**

(10) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. Hollis W. Barber, presently Professor of Political Science, as Professor of Political Science on indefinite tenure and Head of the Department of Political Science in the College of Liberal Arts and Sciences at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of \$15,000 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mr. Dilliard, this appointment was approved.

**HEADSHIP OF THE DEPARTMENT OF PSYCHOLOGY,  
CHICAGO UNDERGRADUATE DIVISION**

(11) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. Isadore E. Farber, presently Professor of Psychology at the State University of Iowa, as Professor of Psychology on indefinite tenure and Head of the Department of Psychology at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of \$18,000 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mr. Pogue, this appointment was approved.

**HEADSHIP OF THE DEPARTMENT OF MATERIALS AND MECHANICS,  
CHICAGO UNDERGRADUATE DIVISION**

(12) The Dean of the College of Engineering and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. Ernest F. Masur, presently Professor of Engineering Mechanics at the University of Michigan, as Professor of Materials and Mechanics on indefinite tenure and Head of the Department in the College of Engineering at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of \$16,000 on an academic year service basis.

This recommendation is submitted after consultation with all senior staff in the materials and mechanics area of the College and is concurred in by the Executive Vice-President and Provost and the Acting Dean of the Graduate College.

I recommend approval.

On motion of Mr. Jones, this appointment was approved.

#### **SABBATICAL LEAVES OF ABSENCE, 1964-65**

(13) I recommend that the following members of the staff be given sabbatical leaves of absence during the academic year 1964-65 in accordance with the provisions of the University of Illinois Statutes and on the terms and for the periods indicated. This recommendation is supplementary to the applications recommended to the Board of Trustees on March 18, 1964.

MARVIN STIPPES, Professor of Theoretical and Applied Mechanics, first semester, full pay.

RICHARD B. SELANDER, Associate Professor of Entomology, first semester, full pay; leave contingent upon receipt of supplementary financial aid.

On motion of Mr. Pogue, these leaves were granted, as recommended.

#### **CENTER FOR ASIAN STUDIES**

(14) The Dean and the faculty of the College of Liberal Arts and Sciences and the Executive Committee of the Division of Social Sciences recommend that there be established in the College a Center for Asian Studies to implement a program previously established for which funds have been provided in state appropriations for the current biennium (1963-65) and for further support of which the University has received a grant from the Ford Foundation covering a period of five years.

A supporting, definitive statement about the organization and functions of this Center is submitted herewith and a copy is being filed with the Secretary of the Board for record.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mr. Swain, this recommendation was approved.

#### **ADMISSION REQUIREMENTS IN ART**

(15) The Urbana-Champaign Senate has recommended the following proposal from the College of Fine and Applied Arts for a change in the requirements for admission to the curriculum in art: All students entering the University after June 1, 1965, to proceed at the junior level in any art curriculum (registered at junior level art courses) must have earned a cumulative average of at least 3.25 for all university work, based on the grading system of the University of Illinois.

This change is necessary to control enrollments in the curriculum in the Department of Art and the proposed change is directed primarily to transfer students. A program of limitations of the number of freshmen admissions is already in effect and has, in general, proved satisfactory.

The proposal was previously concurred in by the All-University Committee on Admissions and has also been approved by the Chicago Undergraduate Division Senate.

I recommend approval.

On motion of Mr. Swain, this recommendation was approved.

#### **CURRICULUM IN MILITARY SCIENCE**

(16) The Urbana-Champaign Senate recommends approval of a military science curriculum which has been set up to meet the requirements of a voluntary



Reserve Officers' Training Corps program, eliminating branch material subjects and substituting a general military science program. This revised curriculum is necessary if the voluntary program is to succeed, because, in order to interest the students, it must provide realism, challenge (both intellectually and physically), and incentive. It is important the maximum credit be offered towards satisfying the requirements for a baccalaureate degree by substitution of non-military University courses for military courses.

A complete statement of the United States Army military science curriculum and the courses to be included has been filed with the Secretary of the Board for record.

This proposal is submitted with the concurrence of the Department of the Army, an *ad hoc* Committee on Implementation of Voluntary Reserve Officers' Training Corps and Coordination of Related Actions, and of the Committee on Military Affairs.

I recommend approval.

On motion of Mr. Hughes, this revised curriculum was authorized.

#### **CURRICULUM IN ORTHOPAEDIC SURGERY**

(17) The Medical Center Senate recommends authorization of a curriculum in orthopaedics leading to the degree of Master of Science. This program will provide advanced training in scientific investigation and teaching for students preparing for careers in teaching and research and will provide the degree candidate with opportunities beyond those available to residents in training for specialties. The degree requirements are:

Prerequisites will include the degree of Doctor of Medicine and at least one year of internship.

The candidate must also meet the general requirements for admission to the Graduate College.

Nine units of graduate work, including a minimum of one unit in a graduate course in a related basic science discipline.

Attendance at one seminar per quarter for three quarters in one of the basic sciences, including anatomy, biological chemistry, microbiology, pathology, physiology, public health, biometrics and statistics, and pharmacology.

Attendance at Department of Orthopaedic Surgery seminar during the entire period of graduate study.

A thesis conforming to Graduate College requirements.

A supporting document from the Medical Center Senate descriptive of the program and giving the details of the courses included is being filed with the Secretary of the Board for record.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mrs. Watkins, this recommendation was approved.

#### **CHICAGO UNDERGRADUATE DIVISION HEALTH SERVICE COURSES AND STAFF**

(18) The Director of the Health Service at the Chicago Undergraduate Division has recommended that the names of the courses offered by the medical staff of the Health Service there and the professorial titles of the staff be changed from "Hygiene" to "Health Science."

With the concurrence of the Director of the Health Services and other administrative officers concerned, this change has been approved for all campuses and is reported for record.

This report was received for record.

#### **SUMMER SPEECH CLINICS**

(19) The Director of the Division of Services for Crippled Children and the Vice-President for the Medical Center recommend that the Division be author-

ized to continue speech clinics during the summer of 1964 at the following institutions of higher education in Illinois on a reimbursable cost basis:

	<i>Estimated Cost</i>
Augustana College, Rock Island.....	\$11 961 00
Northern Illinois University, DeKalb.....	14 844 00
Southern Illinois University, Carbondale.....	10 585 00
Illinois State University, Normal.....	13 316 33
	<hr/>
	\$50 706 33
A similar clinic at the University of Illinois at Urbana.....	\$14 361 00

Funds are available in the budget of the Division of Services for Crippled Children.

I concur.

On motion of Mr. Swain, this recommendation was approved.

#### CHICAGO CIRCLE

(20) The city of Chicago on April 17, 1964, adopted the following ordinance:  
*Be It Ordained by the City Council of the City of Chicago:*

SECTION 1. The name by which the interchange between John Fitzgerald Kennedy Expressway, Dwight D. Eisenhower Expressway, and Dan Ryan Expressway shall be known as "Chicago Circle."

SECTION 2. The Commissioner of the Department of Streets and Sanitation is authorized and directed to place the proper signs bearing the name set forth in Section 1 at said interchange.

SECTION 3. This ordinance shall take effect upon its passage.

Alderman Keane moved to *Suspend the Rules Temporarily* to permit immediate consideration of and action on the foregoing proposed ordinance. The motion *Prevailed*.

Alderman Keane moved to *Pass* the proposed ordinance. The motion *Prevailed*, by yeas and nays as follows:

*Yeas*—Alderman Parrillo, Metcalfe, Holman, Despres, Miller, Bohling, Condon, Lupo, Buchanan, Danaher, Zelezinski, Healy, J. P. Burke, Krska, Sheridan, Chew, Murray, Fitzpatrick, Campbell, Yaksic, Janousek, Tourek, Collins, Marzullo, Zydlo, Sain, Tomaso, T. F. Burke, Ronan Keane, Brandt, Sande, Laskowski, Massey, Cullerton, Shapiro, Kaplan, Scholl, Goldberg, Bauler, Rosenberg, Fifielski, Kerwin, O'Rourke, Wigoda, Sperling—46.

*Nays*—None.

In view of this official change in name of the intersection of the three expressways, I recommend the Board of Trustees change the name of the new campus for the University of Illinois now under construction at Congress Circle to the "University of Illinois at Chicago Circle."

On motion of Mr. Dilliard, this change in name was approved.

#### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(21) The Committee on Nonrecurring Appropriations, the Executive Vice-President and Provost, and the Vice-President and Comptroller recommend the following appropriations from the University General Reserve:

##### *Urbana-Champaign*

- College of Engineering
  - Department of Civil Engineering, equipment, to match a grant from the National Science Foundation for research in analytical photogrammetry..... \$ 5 000
- College of Journalism and Communications
  - WILL Radio Station, equipment..... 34 741
- Physical Plant Department
  - Resurfacing two tennis courts at Romine Street and University Avenue..... 4 980
  - Resurfacing the indoor track in the Men's Old Gymnasium Balcony.. 2 670
  - Remodeling for and installation of transmitting equipment for WILL Radio Station..... 13 300

## 4. College of Liberal Arts and Sciences:

School of Life Sciences, equipment, to match a grant from the National Science Foundation for undergraduate instruction in biology.....	20 000
Department of Chemistry and Chemical Engineering, equipment, to match a grant from the National Science Foundation for undergraduate instruction.....	33 000
Department of Geology, equipment, to match a grant from the National Science Foundation for undergraduate instruction.....	39 470
<b>Total</b> .....	<b>\$153 161</b>

I concur.

On motion of Mr. Swain, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

**AWARD OF CONTRACTS FOR CONSTRUCTION OF COORDINATED SCIENCES LABORATORY BUILDING, PHASE II**

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of Phase II of the Coordinated Science Laboratory Building, the award in each case to the lowest bidder:

<b>General — Johnson, Drake, and Piper, Incorporated, Terre Haute, Indiana</b> .....	<b>\$251 000</b>
Base bid .....	\$239 000
Additive alternates:	
Service charge for assignment of other contracts to the general contractor .....	4 100
Increasing depth of basement.....	2 200
Wood block flooring in machine shops.....	1 600
Retaining wall along walk.....	1 900
Replacing and widening present brick and concrete walk..	2 200
<b>Electrical — Square Deal Electrical Contracting, Inc., Urbana</b> .....	<b>58 678</b>
Base bid .....	\$ 62 900
Alternate for increasing depth of basement.....	no change
Deductive alternate for furnishing and installing fused secondary distribution section in unit substation in lieu of breakers.....	—4 222
<b>Plumbing — Reliable Plumbing and Heating Company, Champaign</b> .....	<b>26 740</b>
Base bid .....	\$ 26 315
Increasing depth of basement.....	150
Constructing manhole at sewer connection.....	275
<b>Heating and Air Conditioning — Reliable Plumbing and Heating Company, Champaign</b> .....	<b>47 640</b>
Base bid .....	\$ 47 640
Alternate for increasing depth of basement.....	no change
<b>Ventilating — R. H. Bishop, Company, Champaign</b> .....	<b>14 934</b>
Base bid .....	\$ 14 934
Alternate for increasing depth of basement.....	no change
<b>Total</b> .....	<b>\$398 992</b>

It is recommended that a combined contract be awarded to Reliable Plumbing and Heating Company, Champaign, in the amount of \$74,380, being the total of the amounts bid by that Company on the plumbing and the heating and air-conditioning work.

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract \$398,992; and it is further recommended that an agreement be entered into with Johnson, Drake, and Piper, Incorporated, Terre Haute, Indiana, for the assignment of these other contracts for \$4,100 which amount is included in the contract price, being the amount bid by that company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available from the Research Contracts Reserve.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of all bids received, copies of which are being filed with the Secretary of the Board for record.

I concur in these recommendations.

On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

#### CONTRACTS FOR CONSTRUCTION OF PARKING LOTS FOR COMMERCE AND EDUCATION BUILDINGS

(23) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$17,600, the base bid plus all alternates, to Champaign Asphalt Company, Champaign, the lowest bidder, for construction of two parking lots, with a capacity of eighty-seven cars, in vacant areas south and east of the new buildings for the College of Commerce and Business Administration and the College of Education.

Funds are available in the construction budgets for these buildings.

I concur.

On motion of Mr. Swain, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

#### CONTRACT FOR REROOFING ALLERTON HOUSE

(24) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$28,120, the base bid, plus an alternate for new lightning protection, to Lloyd Hitchins, an individual doing business as Hitchins Roofing Company, Urbana, the lowest bidder, for reroofing the slate areas of Allerton House.

Funds are available in the Allerton House maintenance account.

I concur.

On motion of Mr. Hughes, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

#### CONTRACTS FOR IMPROVEMENTS TO AGRICULTURE LIBRARY IN MUMFORD HALL

(25) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling the Agriculture Library in Mumford Hall which will provide for expansion and other improvements, the award in each case being to the lowest bidder:

General—C. A. Petry and Sons, Inc., Champaign.....	\$10 065
Base bid .....	\$8 590
Additive alternates:	
For service charge for assignment of other contracts for supervision .....	500
Installation of vinyl asbestos floor covering in Rooms 127 and 128 .....	975
Electrical—Square Deal Electrical Contracting, Inc., Urbana.....	3 800
Piping and Refrigeration—Petry Roofing and Sheet Metal Company, Champaign .....	4 725
<b>Total .....</b>	<b>\$18 590</b>

It is also recommended that all contracts, other than the general contract, be assigned to the contractor for general work making the total of his contract \$18,590; and it is further recommended that an agreement be entered into with C. A. Petry and Sons, Inc., for the assignment of these other contracts for \$500,

which amount is included in the contract price, being the amount bid by that firm for service charge for supervision of other contracts assigned to the general contractor.

In addition to the construction contracts, the total costs include purchase of book shelves, and architectural and engineering fees. The Committee on Non-recurring Appropriations recommends that the Board authorize the assignment of \$40,000 for this work from the University's General Reserve.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of all bids received, copies of which are being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Hughes, these contracts were awarded, as recommended, and the request for the assignment of funds was approved, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

#### CONTRACT FOR PARTICLE ACCELERATOR FOR MATERIALS RESEARCH LABORATORY

(26) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of a particle accelerator for the Materials Research Laboratory from the High Voltage Engineering Corporation, Burlington, Massachusetts, the lowest bidder, at a cost of \$210,815. The purchase price will include:

Basic accelerator .....	\$138 035
Beam spreading lens system.....	8 600
Beam switching system.....	42 000
Beam pulsing system.....	20 000
X-ray target .....	2 180
<i>Total</i> .....	<i>\$210 815</i>

Funds are available in the contract budget. Award of the contract is subject to the approval of the Atomic Energy Commission.

I concur.

On motion of Mr. Dilliard, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

#### CONTRACT FOR PATHOLOGICAL INCINERATOR IN MEDICAL RESEARCH LABORATORY

(27) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$12,120 to the C. O. Henriksen Company, Chicago, the lowest bidder, for a new pathological incinerator in the Medical Research Laboratory at the Medical Center.

The work will include removing the present pathological incinerator, which has deteriorated from heavy usage, and replacing it with a new 300 pound/hour incinerator with fully automatic controls.

Funds are available in the Physical Plant Department budget.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

#### CONTRACT FOR WEATHERPROOFING ROOF DECK AT RESEARCH AND EDUCATIONAL HOSPITALS

(28) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$2,825 to the Consumers Roofing and Insulating Company, Chicago, the lowest bidder, for roof deck weatherproofing at the Research and Educational Hospitals.

The work will consist of weatherproofing an existing tar and gravel roof and a portion of promenade tile roof in one area to remedy leakage.

Funds for this work are available from the Physical Plant Department budget.

The project was advertised in the "Illinois State Register."

I concur.

On motion of Mr. Pogue, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

#### **CONTRACT FOR LABORATORY EQUIPMENT FOR RESEARCH AND EDUCATIONAL HOSPITALS ADDITION**

(29) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$4,621.76 to the Kewaunee Manufacturing Company, Evanston, Illinois, the lowest bidder, for furnishing and setting in place laboratory equipment in Room 1212 in the Research and Educational Hospitals Addition.

The work will include converting an existing office area into a research laboratory for staff and students in the Department of Pediatrics.

Funds are available from Contract Research Reserve-Department.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

#### **CONTRACT FOR ELECTRICAL SERVICE TO CENTRAL NATIONAL BANK BUILDING AT CHICAGO CIRCLE**

(30) The University is purchasing the Central National Bank at 728 West Roosevelt Road, on or about July 1, 1964. This building will require separate electrical service from the Commonwealth Edison Company, since it is not economical to run service from the heating plant. Commonwealth Edison will supply electricity at the bank building at 2.16KV transformed to 120/240 volts and 2.74KV transformed to 240 volts, at a monthly facilities rental service charge of \$71.00 plus excess metering charges for a combined billing at a monthly rental of \$46.20. The nonrecurring cost for excess facilities to supply electricity at a second point is \$4,274. It is estimated that the savings effected by combined billing will amortize the excess facilities cost of \$4,274 in one year's time.

The Director of the Physical Plant and the Vice-President and Comptroller therefore recommend authorization of an agreement with Commonwealth Edison Company, Chicago, for the electrical service at the new Chicago Campus, and that the University pay Commonwealth Edison Company the standard excess facility charges of \$4,274.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund and have been released.

I concur.

On motion of Mrs. Watkins, this agreement was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

#### **MAJOR STREET AND HIGHWAY PLAN FOR THE CHAMPAIGN-URBANA AREA**

(31) The Board of Trustees has approved in principle a Major Street and Highway Plan for the Champaign-Urbana area and authorized the University's participation in the planning organization required by the Federal Aid Highway Act of 1962.

The Illinois Division of Highways has now requested each agency involved

in this improvement program to adopt a formal resolution authorizing participation therein.

A resolution prepared by the Division is submitted herewith. I recommend that: the Board adopt the said resolution, and that the Secretary of the Board be authorized to issue certified copies of said resolution to such public agencies and other parties as may require the same, and to file a certified copy with his record of the minutes of today's meeting.

On motion of Mr. Pogue, this recommendation was approved, and the resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

#### EMPLOYMENT OF ENGINEERS

(32) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of Sargent and Lundy, Consulting Engineers, Chicago, at a cost not to exceed \$10,000, for analyzing the economics of purchase versus generation of power and steam for the University at Urbana-Champaign.

Funds are available for this study.

The Committee on Buildings and Grounds also recommends approval. I concur.

On motion of Mr. Pogue, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

#### ADDITION TO CONTRACT FOR CONSTRUCTION OF EAST CHEMISTRY, FIRST ADDITION

(33) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$5,191.79 in the contract with Kuhne-Simmons Company, Inc., Champaign, for construction of the East Chemistry Building Addition to provide for the elimination of inverted syphons in the storm drainage system and provision of a gravity flow system.

Funds are available in the construction budget.

I concur.

On motion of Mr. Hughes, this change in contract was authorized.

#### ADDITION TO CONTRACT FOR CONSTRUCTION OF THE CHICAGO CIRCLE CAMPUS

(34) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$13,236.01 in the contract with Gust K. Newburg Construction Company, Chicago, for modifications of the closed circuit television and communications systems at Chicago Circle.

Funds are available in the construction budget.

I concur.

On motion of Mr. Swain, this change in contract was authorized.

#### ADDITIONS TO CONTRACTS FOR CONSTRUCTION OF CHICAGO CIRCLE UNION BUILDING

(35) The Director of the Physical Plant and the Vice-President and Comptroller recommend increases in contracts for the construction of a Student Union Building at Chicago Circle to provide for extensions of utilities services to the two adjacent Hull House Buildings:

Power Construction, Inc., Oak Park.....	\$ 793 04
Frank S. Bellis, Berwyn.....	15 460 94
Hoffman Electric Company, Chicago.....	399 95
<b>Total.....</b>	<b>\$16 653 93</b>

The architects for the restoration of Hull House investigated ways and means of providing the necessary services and found that the most economical would be from the Student Union, the closest source to the campus system.

The architects for the Union Building and for Hull House state that the contractors' proposed charges for the work involved are reasonable.  
I concur.

On motion of Mrs. Watkins, these contract changes were authorized.

#### INCREASED INTERCITY TELEPHONE FACILITIES

(36) The University now has eight WATS (Wide Area Telephone Service) lines at Urbana and two WATS lines at Chicago serving both the Navy Pier and the Medical Center. These lines permit a call to be made to any point in the state without incurring a toll charge. Each day an average of over 800 calls from Urbana and 200 calls from Chicago are made over these ten WATS lines. However, only 25 per cent of all attempts to secure a line succeed on the first try, indicating that the number of lines are not adequate to handle the traffic demand. As a result, toll calls are being made around the WATS lines resulting in monthly toll charges of \$1,400 in Urbana and \$450 in Chicago.

The Telephone Company has recently made available a new service — TELPAK — which, in brief, is a sharing of channels of communication by public agencies. The state of Illinois is a heavy user of TELPAK and has unused channels which are available to the University. As a result, it is possible to install tie lines between certain points at a cost much lower than under any previous rate schedule.

The Telephone Company has analyzed the calls made over the WATS lines with particular attention to their point of termination, and it is the opinion of its staff that the University's intercity communication service would be greatly improved by eliminating three of the eight WATS lines at Urbana and installing seven tie lines between Urbana and Chicago and three tie lines between Urbana and Springfield. (While the number of calls to Springfield is not proportionately large enough to warrant three lines, the duration of these calls is three to four times that of calls to other points.)

The Telephone Company's proposal would result in the University having seventeen intercity communication paths available at one time as compared with ten at the present time. The proposal also provides for an additional tie line between Navy Pier and the Medical Center. In terms of fixed rental charges, the proposed service would not cost as much as the present WATS lines. However, calls to Chicago over the tie lines result in message unit charges of 4¾ cents per call. On the basis of the present number of calls to Chicago, the total cost of the proposed service would be the same, or slightly lower, than the present ten WATS lines. However, there would be a one-time installation charge of \$300.

The proposal has been discussed with representatives of all campuses who recommend that the Illinois Bell Telephone Company be authorized to eliminate three of the present eight WATS lines at Urbana; and to install seven tie lines between Urbana and Chicago, three tie lines between Urbana and Springfield, and one additional tie line between Navy Pier and the Medical Center.

This proposal was submitted by the Vice-President and Comptroller.

On motion of Mrs. Watkins, this recommendation was approved.  
Mr. Hughes asked to be recorded as not voting.

#### CITATION FOR LENOX R. LOHR

(37) I recommend the conferring of a Trustees Citation on Major Lenox R. Lohr, President of the Museum of Science and Industry of Chicago, in recognition of his many public services, and particularly his services to the University of Illinois as Chairman for many years of the Citizens Committee, and more recently as Chairman of the Committee on the Jane Addams Memorial Fund campaign. An appropriate occasion for the conferring of the Citation would be the biennial meeting of the Citizens Committee to be held at Urbana on May 21.

On motion of Mr. Swain, this recommendation was approved. The Citation which was presented to Major Lohr on the following day is as follows:



## THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

To LENOX R. LOHR

*In Recognition of Distinguished Public Service*

The City of Chicago, the State of Illinois, and the Nation are the beneficiaries of his talents for the popular communication of knowledge, of his intense devotion to civic improvement, and of his capacity for leadership in achieving the tasks undertaken.

Highlights of his career include distinguished service as an Army Officer in World War I and in the Corps of Engineers for several years thereafter; skillful organization and expert management of "A Century of Progress International Exposition," the Chicago World's Fair of 1933-1934; President of the National Broadcasting Company from 1935 to 1940; Director of the Illinois Civil Defense Agency, 1950 to 1953; President of the Chicago Railroad Fair, a masterly pageant of the development of our country's transportation system, 1948-1949; President of the Centennial of Engineering, 1952; Chairman of the Illinois Commission of Higher Education from 1954 to 1959, which was the precursor of current developments in planning for higher education in this State; Chairman of the Metropolitan Fair and Exposition Authority from 1955 to 1957; and a quarter of a century of concentration of talent and work in developing his central interest—The Museum of Science and Industry, a great and unique educational institution in its own right.

The Board of Trustees of the University of Illinois would add this citation to his many other honors, and would have him accept with it a grateful expression of appreciation of his special services to the University—as a member of its Citizens Committee since it was created in 1942 and as Chairman of the Committee for the past twenty years; and, more recently, as Chairman of the Jane Addams Memorial Fund campaign for the restoration and preservation of Hull House.

*Given at the University of Illinois May 21, 1964.*

**RECOGNITION OF SERVICES OF DR. ALONZO G. GRACE,  
DR. JACK W. PELTASON, AND DR. FREDERICK T. WALL**

(38) Three members of the faculty who have served as deans of colleges will leave the University this year. Because of their key roles in the formulation of recommendations for the Board of Trustees, it is appropriate that the record of the Board contain an expression of appreciation for effective, faithful, and important service and of good wishes for their future endeavors.

The appreciation and good wishes of the colleagues of these gentlemen go with them in their new activities and relationships, with the hope, also, that their friendship ties to the University of Illinois will remain firm.

On motion of Mr. Pogue, the following statements were adopted, to be included in the record of today's meeting; and the Secretary was authorized to prepare appropriate copies to be sent to the three members of the faculty.

**DR. ALONZO G. GRACE**

*Professor of Education and Dean of the College of Education*

Dr. Alonzo G. Grace, Dean of the College of Education since 1960, will retire September 1, 1964.

Dean Grace was Associate Dean of Education at New York University from 1952-60. He was Chairman of the Department of Education and Professor of Administration at the University of Chicago for a year before going to New York University in 1951 as Professor of Education. From 1938-48 he was Commissioner of Education and Secretary of the Board, Connecticut State Board of Education, and lecturer in the Yale University Graduate Department of Education. In 1948-50 he was in Berlin, Germany, as Director of Education and Cultural Relations, Office of Military Government, later the Office of the High Commissioner, American Zone of Occupation, and later the Republic of Western Germany.

The four years during which Dr. Grace has been Dean of the College of Education have been marked by many important changes within the College. A new building has been planned and built, departmental and committee reorganiza-

tion has been effected, curriculum revisions in a number of areas have been completed and others have been initiated, a new program of alumni relationships has been started, research activity has been greatly enlarged, and new faculty members for vacancies and new positions have been successfully recruited. Relationships with the school systems of the state, with agencies of state and national government and neighboring institutions in teaching education are cordial and professionally productive. A number of programs have come into national and international recognition.

Dr. Grace has carried out his duties as Dean faithfully, planfully, and with imagination. The work of the College and the University has been greatly enhanced and strengthened through his contributions and his general leadership. The stature of the College and its faculty, the scope of its service and the importance of that service to the state and the nation are at a new high level. This distinction belongs to many people, but the calm, sound, and experienced leadership of Dean Grace has been a central influence in the remarkable record of these four years.

**DR. JACK WALTER PELTASON**

*Professor of Political Science and Dean of the College of Liberal Arts and Sciences*

Dean Jack W. Peltason came to the University of Illinois as Assistant Professor of Political Science September 1, 1951. His previous teaching experience was at the University of Missouri, Princeton University, and Smith College.

By virtue of his scholarly work, his reputation for effective teaching and the wide regard of his colleagues for his capacity for academic leadership, Dr. Peltason was a natural choice for the Deanship when a vacancy occurred in September, 1960. Dean Peltason will leave the University this summer to become Dean of the College of Arts, Letters, and Sciences of the Irvine Campus of the University of California.

In presiding over the largest college of the University, Dr. Peltason has established new relationships with the other colleges and the other campuses of the University while working in many ways to improve and develop the academic achievement of his own unit. His interest in undergraduates is reflected in new arrangements for counseling, for communication with students, and for supervising and improving teaching in the introductory courses. He has encouraged academic excellence at every point and brought strong support to the graduate work of the departments. He has worked to build new programs, particularly in non-Western studies, and assisted in finding new resources for them. In University-wide matters, Dr. Peltason has been a thoughtful and wise adviser, with a broad view of the welfare of the institution as a whole and a deep conviction as to the central social importance of higher education.

Dr. Peltason has played an important role in advancing interinstitutional cooperation by joining with his fellow deans in developing new cooperative programs under the auspices of the Committee on Institutional Cooperation. Within the state, he served with distinction as a member of the "Master-Plan" Committee on Collegiate Programs of the Illinois Board of Higher Education.

The work of the College is broader, stronger, and more effectively organized because of Dean Peltason's administration and the University as a whole has profited greatly from his imaginative leadership.

**DR. FREDERICK THEODORE WALL**

*Professor of Physical Chemistry*

Dr. Frederick T. Wall was appointed Dean of the Graduate College on August 1, 1955, and served until September 1, 1963, when he returned to full-time teaching and research in physical chemistry. On September 1, 1964, he will become Professor of Chemistry, University of California Santa Barbara Campus, after twenty-seven years at the University of Illinois. Dr. Wall's earlier academic experience was at the University of Minnesota, where he also earned his baccalaureate and doctor's degrees, and at the California Institute of Technology.

Dr. Wall's prominence as a scientist was established before he undertook the Deanship of the College, and his continuing achievements in his field led to his election to the National Academy of Sciences in 1961. He received the Ameri-

can Chemical Society Award in Pure Chemistry in 1945 and the University of Minnesota Outstanding Achievement Award in 1959.

During Dr. Wall's administration of the Graduate College, the University's reputation for the quality and scope of its research grew nationally and internationally. His election in 1961 to the Presidency of the Association of Graduate Schools of the Association of American Universities was a recognition both of his leadership and the increased eminence of the University's graduate and research program.

The example of Dr. Wall's own scholarly work and his recognized insight into the merit of the work of others inspired confidence in his judgment in the decisions he was called upon to make as Chairman of the Research Board and in the appointments and awards for which he was primarily responsible. Hence, in executing his responsibilities, he encouraged the creative work of the faculty and enhanced their scholarly productivity. The University-wide fellowship competition and the program of faculty summer fellowships, now adopted and admitted by other universities, were instituted under Dean Wall's planning and administration.

The Center for Advanced Study was initiated under his guidance and he brought strong support to making the Digital Computer Laboratory a world-renowned center.

In all ways, Dean Wall has stood for and encouraged high standards and academic excellence through his achievements and service and he has won the admiration and respect of his colleagues both at the University of Illinois and throughout the country.

## PURCHASES

### Purchases Authorized

(39) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in one category: purchases from Institutional Funds. This term is used here to designate funds received by the University under contracts with the United States Government, contracts with private corporations and other donors, and University revolving funds authorized by law.

#### *Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of laboratory equipment including two microscopes, accessories for centrifuge, pipet washer, two balances, and one dialyzer for the Veterinary College, Mhow, India	Agency for International Development—India	Standard Scientific Supply Corp., New York, N.Y.	\$ 4 763 20 f.a.s. New York
Universal testing machine, torsion testing machine, metal hardness tester, impact testing machine, multi-purpose block and cylinder tester, and an automatic cement tester, all complete with accessories for the U.P. Agricultural University, Pant Nagar, India	Agency for International Development—India	Tinius Olsen Testing Machine Co., Willow Grove, Pa.	29 000 00 f.a.s. New York
One quartz spectrophotometer, photo-electric model, with a range of from 210 to 1000 millimicrons, and accessories consisting of absorption cells, gas filament lamps, and electronic tubes	Agency for International Development—India	Beckman Instruments, Inc., Fullerton, Calif.	4 604 51 f.a.s. New York
One lot of miscellaneous welding tools to include welding and cutting outfits, two arc welders and accessories, to serve the dual purpose of teaching aids and construction tools at Njala College in Njala, Sierra Leone	Agency for International Development—Sierra Leone	Contractors Trading & Equipment Corp., New York, N.Y.	3 314 60 f.a.s. New York
One lot of miscellaneous woodworking tools to include four band saws, one planer, one jointer, one sander, one router, one grinder, and 200 sanding belts, to serve the dual purpose of teaching aids and construction tools at Njala College in Njala, Sierra Leone	Agency for International Development—Sierra Leone	New World Research Corp., New York, N.Y.	5 189 30 c & f Freetown, West Africa

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of miscellaneous tool supplies including hydraulic jacks, mechanics tools, masons tools, carpenters tools, blacksmiths tools, sheet metal worker tools, plumbers equipment, and electricians tools	Agency for International Development—Sierra Leone	New World Research Corp., New York, N.Y.	\$ 8 509 56 c & f Freetown, West Africa
One lot of miscellaneous machine tools to include one lathe, one milling machine, one drill press, one metal working shaper, and one power hack saw	Agency for International Development—Sierra Leone	Brodhead-Garrett Co., Cleveland, Ohio	7 479 00 f.a.s. New York
One oscilloscope, sampling, with timing and dual trace sampling plug-in units, 0.35 nanoseconds rise-time, one nanosecond to 100 microseconds/cm calibrated sweep speed X2 to X100 time expander, i.e., constant dots/cm (note: nanosecond equals one billionth of a second)	Electrical Engineering	Tektronix, Inc., Park Ridge	3 330 00 f.o.b. Beaverton, Ore.
Remodel a stall area in the large barn at the Veterinary Research Farm on South Race Street for use as a laboratory room, remodeling work to include construction of concrete floor, interior walls, and necessary doors, windows, electrical circuits and lighting, heating, and work benches and storage shelves, to be used for research in studying transmissible diseases of swine	Veterinary Medicine	Hazen & Franks Builders Supply, Inc., Tolono	4 063 00 f.o.b. delivered and erected

On motion of Mr. Pogue, these purchases were approved.

#### Purchases Recommended

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds.

#### Purchases from Appropriated Funds

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
46,000 eleven-part purchase order forms, 10,000 delivery invoice-voucher forms, 5,000 receiving report forms, and 200 third-copy delivery-invoice voucher forms	Business Office, Medical Center	Allied/Egry Business Systems, Chicago	\$ 2 854 98 delivered
120 greenhouse special plant carts	Drug and Horticultural Experiment Station	Jos. T. Ryerson & Son, Inc., Chicago	8 880 00 delivered
One lot of standard glazed stoneware jars as follows: 1,000 one-gallon capacity with holes near the bottom 1,000 one-gallon capacity without holes 750 three-gallon capacity with holes near the bottom 750 three-gallon capacity without holes	Drug and Horticultural Experiment Station	Bivens & White Co., Oak Park	5 115 00 delivered
20,000 chart folders, 20,000 prenumbered master cards, and 2,000 unnumbered master cards	Medical Records, Chicago	Crown Office Supply Co., Chicago	5 136 70 delivered
Approximately 60,000 microfilm jackets and processing of approximately 600 rolls of microfilm for the period from July 1, 1964, through June 30, 1965, subject to renewal for one year by mutual agreement	Research and Educational Hospitals	Great Lakes Microfilm Co., Chicago	6 480 00 delivered
Approximately 3250 millicuries of radioactive isotopes to be used by the Isotope Laboratory for the period from July 1, 1964, through June 30, 1965, subject to renewal for one year by mutual agreement	Research and Educational Hospitals	E. R. Squibb & Sons, Franklin Park	11 401 85 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One 16 in. by 16 in. by 24 in. steam pressure instrument sterilizer	Research and Educational Hospitals	Wilmot Castle Co., Elmhurst	\$ 3 758 00 delivered and installed
One hoist mechanism to be installed on a University truck to be used in the handling and hauling of refuse and material handling containers	Physical Plant, Medical Center	Stepp Equipment Co., Chicago	3 996 00 delivered and installed
Statistical analyses and consultative services of health and medical factors in Illinois, the upper midwest, and the nation, as they relate to future planning in all the health professions at the University of Illinois at the Medical Center	Vice President's Office, Medical Center	Health Information Foundation, Chicago	4 968 00
444 each wall hung cigarette urns and 194 floor smoker stands	Chicago Circle	Bolotin, Inc., Chicago Wall hung urns Gilbert A. Force Co., Chicago Smoker stands	9 546 00 3 181 60
(Note: This purchase will be made from both Appropriated Funds, \$9,546.00, and Institutional Funds, \$3,181.60, for a total of \$12,727.60.)			
Four 45 cu. ft. reach-in refrigerators	Biology, Chicago Circle	Edward Don & Co., Chicago	3 456 00 delivered and installed
One 50 kw induction furnace for Chicago Circle to replace existing arc furnace located at Navy Pier which is to be traded in	College of Engineering, Chicago Circle	Inductotherm Corp., Rancocas, N.J.	11 092 00 delivered and set in place
Furnish and install 1,468 acoustical lockers and 62 fixed panels	Physical Plant, Chicago Circle	General Fireproofing Co., Chicago	89 772 00 delivered and installed
Print and bind 3,000 copies of <i>Faculty Publications</i> , 1963, approximately 152 pages per copy, trim size 6 in. by 9 in.	Graduate College	Pantagraph Printing & Stationery Co., Bloomington	2 981 40 f.o.b. delivered
Fifty-one original photographic prints by Edward Weston	Krannert Art Museum	Cole Weston, Carmel, Calif.	2 750 00 f.o.b. delivered
Wood library furniture to expand the Education Library Room in the Main Library: six tables, two card catalog cabinets (sixty trays each), eleven stools, two dictionary stands	Library	Blackwell Wielandy Co., St. Louis, Mo.	2 983 00 f.o.b. delivered
One solenoid, super-conducting, for generating fields up to at least 30 kilogauss, 2 in. I.D., 3.5 in. O.D., active coil winding length 8 in., guaranteed uniformity of at least 2.5 per cent over the central 4 in. of coaxial length	Physics	Magnion, Inc., Burlington, Mass.	5 150 00 f.o.b. delivered
Construct a rigid frame building, 30 ft. by 50 ft. by 8 ft., including concrete foundation and floor, ten box stalls with dutch doors, electrical service, water service and drains at the Veterinary Research Farm on South Race Street, to be used as an experimental animal building, replacing the existing barn on Pennsylvania Avenue which will be removed from its present site	Veterinary Medicine	Hazen & Franks Builders Supply, Inc., Tolono	5 970 00 f.o.b. delivered and erected
Print and bind 1,500 copies <i>Italian Tragedy in the Renaissance</i> , by Marvin T. Herrick, approximately 320 pages per copy, trim size 6 in. by 9 in.	University Press	The North American Press, Milwaukee, Wis.	3 752 29 f.o.b. delivered
Print and bind 1,500 copies <i>On the Compositional Genetics of "The Comedy of Errors,"</i> by T. W. Baldwin, approximately 295 pages per copy, trim size 6 in. by 9 in.	University Press	Pantagraph Printing & Stationery Co., Bloomington	4 604 24 f.o.b. delivered
Furnish and install steel library shelving and double tier stacks in the Agriculture Library in Mumford Hall	Physical Plant Storeroom	Estey Corp., Red Bank, N.J.	12 476 00 f.o.b. delivered and installed

Item	Department	Vendor	Cost
Furnish and install 350 upholstered auditorium chairs with tablet arms in College of Commerce and Business Administration Building	Physical Plant	Illini Supply, Inc., Decatur	\$ 9 600 00 f.o.b. delivered and installed

*Purchases from Institutional Funds*

Twenty-four pieces of machinery equipment consisting of sabre saw kit, electric hammer, drill presses, miter gauges, jointer, tool grinder, wood lathe, abrasive belt finishing machine, radial saw, abrasive disc finishing machine, band saw, arbor press, and norton screw jacks	Architecture and Art, Chicago Circle	AAA Saw & Tool Service & Supply Co., Chicago Chicago Supply & Tool Co., Chicago Lee Machine Tool Co., Chicago	\$3 520 84  497 00 951 72  (4 969 56) delivered and installed
Photographic equipment (154 items) consisting of cameras, enlargers, printers, easels, developing and fixing tanks, safe lights, special lenses, film holders, trays, dryers, mounting press, clock timers, tripods, paper cabinets, print washer, mixing faucets, carriers, slide viewers, light tables	Chicago Circle	Eastman Kodak Stores, Inc., Chicago Helix, Chicago Malelo Camera Co., Chicago Norman-Willetts Co., Chicago Standard Photo Supply Co., Inc., Chicago Watland's Camera Shops, Chicago	875 84  779 80  6 341 88 428 50 707 40  222 54  (9 355 96) delivered
Seventeen domestic refrigerators and three domestic freezers	Chicago Circle	Frigidaire Sales Corp., Elk Grove Village	3 095 38 delivered and installed
404 waste receptacles	Chicago Circle	Atco Corp., Chicago	6 726 60 delivered
One jeep truck, one sweepster rotary broom, and one 96 in. reversible snowplow	Physical Plant, Chicago Circle	Galassi Motor Sales, Inc., Chicago	3 945 00 delivered
One snowblower	Physical Plant, Chicago Circle	R. H. Lyons Equipment Co., Chicago	3 736 00 delivered and installed
Forty-six tri-step wash systems, nine four-step wash-wax systems, fifty-two janitor carts, four waste collectors	Physical Plant, Chicago Circle	Daniels Supply Co., Chicago Wash systems Wash-wax systems Stearnes-Imperial Co., Chicago Janitor carts Edward Don & Co., Chicago Waste collectors	3 905 40 966 60  2 078 96  72 08 (7 023 04) delivered
Intravenous fluids and administration sets for use in the Research and Educational Hospitals for the period from July 1, 1964, through June 30, 1965, subject to renewal for one year by mutual agreement	Pharmacy	Abbott Laboratories, North Chicago	76 832 01 delivered
One lot of laboratory supplies consisting of 1,200 vials of heparinized capillary tubes, 2,350 gross microscope slides, 30 plastic pipet jars, 576 plastic bottles, and approximately 1,050 cases of borosilicate laboratory glassware	Medical Center Stores	A. S. Aloe Co., Schiller Park	26 250 00 delivered
Window washing service between July 1, 1964, and June 30, 1965; for the Research and Educational Hospitals, the Neuropsychiatric Institute, and the Staff Apartment Building (Note: This purchase will be made from both Institutional Funds, \$1,320.00, and Appropriated Funds, \$1,296.00, for a total of \$2,616.00.)	Physical Plant, Medical Center	Alex Wasieff Window Cleaning Co., Chicago	1 320 00
Print and bind 4,500 copies of <i>Fundamentals of Aviation and Space Technology</i> , approximately 164 pages per copy, trim size 8½ in. by 11 in., for use in training programs	Institute of Aviation	The Interstate Printers & Publishers, Inc., Danville	3 105 75 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One microtome with mechanical advance, stereomicroscope, pivoting telescopic mount, collet-type holder, glass knives, and accessory box containing spare parts, for general laboratory work in the Botany Department	Botany	Ivan Sorvall, Inc., Norwalk, Conn.	\$ 3 444 50 f.o.b. delivered
One centrifuge, high-speed, refrigerated, without rotors and including one GSA head, for general laboratory use in biochemistry	Chemistry and Chemical Engineering	Ivan Sorvall, Inc., Norwalk, Conn.	2 695 00 f.o.b. delivered
One gas chromatograph with dual flame ionization and thermal conductivity detector for graduate class work	Chemistry and Chemical Engineering	Micro-Tek Instruments, Inc., Baton Rouge, La.	3 070 00 f.o.b. delivered
One special dry box, hermetically sealed, consisting of one each solid metal left end, fluorescent skylight, glove port covers, stand, rack and shelf assembly, and dri-train, for use in handling and preparation of lithium, magnesium, beryllium, and aluminum which are pyrophoric in the presence of oxygen and water	Chemistry and Chemical Engineering	Herring Corp., Van Nuys, Calif.	4 842 00 f.o.b. delivered
One spectrophotometer system, including monochromator with quartz optics, micro cell attachment with magnetic stops, and heatable cell holder with accessories	Chemistry and Chemical Engineering	W. H. Kessel & Co., Chicago	5 778 00 f.o.b. delivered
One preparative centrifuge, centrifugal forces to 198,000 x gravity, refrigerated, vacuum type with one type 50 rotor, one type SW39L rotor with radiation handle, and one type SW25.2 rotor, to be used in the analysis of phage and antibody proteins by the biochemistry division of the Department of Chemistry and Chemical Engineering	Chemistry and Chemical Engineering	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	10 579 00 f.o.b. delivered
One preparative centrifuge, refrigerated, vacuum type with high-capacity fixed-angle rotor, one type 30 rotor, and one radiation handle for a type 39L rotor	Chemistry and Chemical Engineering	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	9 747 00 f.o.b. delivered
One gas chromatograph equipped with thermal conductivity cells with kovar filaments for use in graduate laboratories	Chemistry and Chemical Engineering	Micro-Tek Instruments, Inc., Baton Rouge, La.	2 670 00 f.o.b. delivered
Fabricate post-tensioning components and welded assemblies for the dynamic load generator consisting of 112 bearing plates and 76 steel bars, 29 ft. 9 in. long, 1½ in. diameter	Civil Engineering	Stressteel Corp., Wilkes-Barre, Pa.	4 294 00 f.o.b. delivered
Fabricate machine components, eight of each assembly, for dynamic load generator to consist of welding, machining, and chemical plating of various assemblies, material to be furnished by the vendor	Civil Engineering	Atterol Tool Corp., Chicago	14 400 00 f.o.b. delivered
One lot of wood office furniture for installation in the departmental suites of the new College of Commerce and Business Administration Building, to consist of eleven desks, nine credenzas, four cabinets, two conference tables, eight swivel chairs, forty-one arm chairs, and eight side chairs without arms	College of Commerce and Business Administration	Weber, Hilmer, & Johnson, Chicago	9 992 55 f.o.b. delivered
Eight power supplies, 0-20 volts, 2 amps at 50°C., regulation .015 per cent	Digital Computer Laboratory	LAMBDA Electronics Corp., c/o Bard Associates, Inc., La Grange	2 634 28 f.o.b. destination
Four power supplies, 0-40 volts, 2.1 amps at 50°C., regulation .015 per cent			
Four rack adapters			
One soldering machine, dual wave, automatic, comprised of fluxing station, pre-heater, dual-wave solder fountains, conveyor, and control panel	Digital Computer Laboratory	Dee Electric Co., Chicago	5 910 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Two typewriters, electric, for computer input-output	Digital Computer Laboratory	International Business Machines Corp., Springfield	\$ 3 483 50 f.o.b. Lexington, Ky.
Two connectors for coupling to computer system			
One type font, in addition to those supplied with typewriters			
Calculators, full keyboard, desk type, as follows:	Educational Psychology and Animal Science	SCM Corp., Champaign	
Six automatic single entry squaring (Group A)		Groups A, B, and C	15 465 00
Nine back transfer for transferring results and keyboard entries to storage dials (Group B)		Monroe Calculating Machine Co., Inc., Champaign	
Two duplex storage with automatic constant multiplier (Group C)		Groups D and E	2 133 00
Two automatic multifactor multiplication (AxBxC) with twenty-one lower dials (Group D)		Friden, Inc., Champaign	1 760 00
One memory for repetitive keyboard amounts, with recall (Group E)		Group F	(19 358 00)
Two fully automatic with dual keyboard (Group F)			
Less trade-in allowance on four used calculators			
One converter system, high-speed, analog-digital, including operational amplifier, analog sample-and-hold circuitry, output register, and self-contained power supply	Electrical Engineering	Adcom Corp., Skokie	3 200 00 f.o.b. delivered
One milling machine, horizontal, universal, high-speed, high-precision, with collets, chucks, and other accessories, to be used by the Department of Electrical Engineering for micro-wave component research	Electrical Engineering	Hardinge Brothers, Inc., Chicago	6 258 00 f.o.b. delivered
One monochromator, special model, with linear wave length gratings of modular design	Electrical Engineering	The Perkin-Elmer Corp., Norwalk, Conn.	9 602 50 f.o.b. delivered
One klystron tube, millimeter wave type, mechanically tunable from 66 to 76 Gc, power out 100 mw minimum from 66 to 76 Gc, 200 mw minimum at 71 Gc	Electrical Engineering	Butler Roberts Associates, Inc., Ft. Lauderdale, Fla.	2 650 00 f.o.b. delivered
One accessory equipment to augment and expand the configuration of the G-20A computer system located in the Department of Electrical Engineering, including console, line printer, card reader/punch, central processor, card printer, compiler, magnetic tape unit, paper tape unit, memory unit	Electrical Engineering	Control Data Corp., Oak Park	106 080 00 f.o.b. Minneapolis, Minn.
One nuclear measurement system for the determination of moisture and density in soil, consisting of a portable scaler, a depth moisture gauge, and a combination density and moisture surface gauge	Forestry	Nuclear-Chicago Corp., Des Plaines	6 895 99 f.o.b. delivered
500 module chassis and 1,000 side plates for use by Digital Computer Laboratory for design and construction of a high-speed computer under a federal government contract	Physics	Craftsman Sheet Metal, Inc., Franklin Park	2 787 00 f.o.b. delivered
One solenoid, super-conducting, rated field intensity at center 30,000 gauss, field uniformity over 2 in. axial length, one part in 10 <sup>4</sup> and one power supply for above, 0.25 amp DC output	Physics	Winchester Electronic Laboratories, Winchester, Mass.	4 550 00 f.o.b. delivered
One attenuation comparator, frequency range 5 to 310 mc/sec., complete with oscilloscope with sweep range of 10-1000 microseconds; and sweep delay of 0.100 microseconds; pulse amplitude to 900 volts, pulse width 0.5, 1.0 and 2.0 microseconds; and with provision for operation with automatic readout	Physics	MATEK, Inc., Providence, R.I.	6 250 00 f.o.b. Providence, R.I.



Item	Department	Vendor	Cost
Twelve power supplies, transistorized	Physics	Heath Co., Benton Harbor, Mich.	\$ 3 990 72 f.o.b. delivered
Twelve power supplies, regulated, variable voltage			
Twelve oscilloscopes, wide band, 5 in.	Physics	Tektronix, Inc., Park Ridge	5 938 50 f.o.b. Beaverton, Ore.
Twelve vacuum tube voltmeters			
Twelve generators, sine-square wave			
One oscilloscope, dual beam, calibrated sweep rate of 0.1 microsecond to 5 seconds per cm, range DC to 22 MC			
One oscilloscope, high-speed, 24 kv accelerating potential, sensitivity of 25 mv to 400 v per cm			
Two portable scope charts	Mechanical and Industrial Engineering	Brown Boveri Corp., New York, N.Y.	12 000 00 f.o.b. delivered
One viewing hood			
One bezel			
One integral induction melting unit, 50 kilowatt, with 600-volt water cooled capacitors, for instructional purposes in the Foundry Laboratory of the Department of Mechanical and Industrial Engineering	Mining, Metallurgy, and Petroleum Engineering	Siemens America, Inc., New York, N.Y.	2 625 00 delivered
One single crystal accessory device, an attachment to an existing diffractometer for the study of crystals, consisting of a 360-degree mounting ring into which a standard goniometer head is mounted			
An additional 2,000 copies of <i>Magazines in the Twentieth Century</i> , second edition, by Theodore Peterson, approximately 512 pages per copy, trim size 6 in. by 9 in., to be printed and bound at same time as 2,000 copies approved for purchase by the Board of Trustees February 19, 1964	University Press	Pantagraph Printing & Stationery Co., Bloomington	2 910 00 f.o.b. delivered
Print and bind 1,000 copies of <i>The Ecology of North America</i> , by Victor E. Shelford, trim size 6½ in. by 10 in., approximately 632 pages per copy	University Press	Cushing-Malloy, Inc., Ann Arbor, Mich.	3 164 00 f.o.b. delivered
Print and bind 1,500 copies of <i>Tables of Transitional Frequencies of English Phonemes</i> , by Lee S. Hultzén et al., approximately 229 pages per copy, trim size 6 in. by 9 in. (Note: This purchase will be made from both Institutional Funds, \$1,500.00, and Appropriated Funds, \$1,457.00, for a total of \$2,957.00.)	University Press	Malloy Lithographing, Inc., Ann Arbor, Mich.	1 500 00 f.o.b. delivered
Print and bind 5,000 copies each: <i>Constitutional Problems Under Lincoln</i> , by James G. Randall, approximately 632 pages per copy <i>Viva Mexico!</i> by Charles M. Flandrau, approximately 320 pages per copy <i>Comic Theory in the Sixteenth Century</i> , by Marvin T. Herrick, approximately 256 pages per copy <i>Mexican Government in Transition</i> , by Robert E. Scott, approximately 352 pages per copy	University Press	Cushing-Malloy, Inc., Ann Arbor, Mich.	10 812 00 f.o.b. delivered
Forty-two films, miscellaneous color and black and white	Visual Aids Service	International Film Bureau, Inc., Chicago	5 605 00 f.o.b. destination
162 films, miscellaneous color and black and white, payment to be in three yearly installments	Visual Aids Service	Coronet Films, Chicago	18 884 25 f.o.b. delivered
Ninety films, miscellaneous titles as follows: fifty-nine color, thirty-one black and white	Visual Aids Service	Encyclopaedia Britannica Films, Inc., Wilmette	13 906 32 f.o.b. Wilmette
101 films, 16 mm., miscellaneous color and black and white, payment to be in three equal yearly installments	Visual Aids Service	McGraw-Hill Book Co., Text-Film Division, New York, N.Y.	15 998 85 f.o.b. delivered
900 dining chairs; 124 dining tables, 36 in. by 72 in.; forty-six dining tables, 48 in. round, for the dining room of the Illinois Street Residence Halls	Housing Division	Weber, Hilmer, & Johnson, Chicago	31 571 55 f.o.b. delivered
189 chairs, wrought iron, with special slip seats, for use in the Snack Bar of the Illinois Street Residence Halls	Housing Division	Weber, Hilmer, & Johnson, Chicago	6 289 56 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Innerspring mattresses as follows: 170 36 in. by 78 in. 100 36 in. by 80 in. 180 54 in. by 78 in. 180 box springs, 54 in. by 78 in. To be used in the double deck beds in the Illinois Street Residence Halls, Orchard Downs Apartments, and as replacement mattresses in the Bussey-Evans Residence Halls	Housing Division	Sackett's Furniture Store, Champaign	\$ 12 789 00 f.o.b. delivered
Fifty mobile delivery cabinets constructed of anodized aluminum and with epoxy sealed joints, size 71½ in. high, 21½ in. wide, and 28 in. deep (front to back), each cabinet designed to accommodate forty pans 16 in. by 28 in.	Housing Division	Bucks County Enterprises, Inc., Quakertown, Pa.	9 504 00 f.o.b. delivered
Silver plated flatware, triple plate quality, bright butler finish, with two extra deposits of silver on tips and backs of bowls and tines, in the following quantities: 550 dozen knives, dinner, 9 in., solid handles on stainless steel base 500 dozen forks, utility 60 dozen forks, salad 300 dozen teaspoons, 5 oz. 300 dozen spoons, bouillon	Housing Division	Edward Don & Co., Chicago	11 921 50 f.o.b. delivered
Furnish and install hardware and draperies in the Illinois Street Residence Halls as follows: Fifty-two pairs, Building A (men) and Building B (women) unit lounges (Group 1) Eleven pairs, Building B ground floor corridor windows and offices (Group 2) Six pairs snack bar, seminar room, and reference library (Group 3) Seventeen pairs recreation rooms and head resident apartments (Group 4) 656 pairs, student rooms, Buildings A and B (Group 5)	Housing Division	Williamsburg Drapery Co., Inc., Chicago Group 1 Group 2 Group 3 Indecor, Chicago Group 4 Edwin Raphael Co., Inc., Holland, Mich. Group 5	4 425 72 7 117 13 1 307 90 2 323 80 13 654 20 (28 828 75) f.o.b. delivered
Furnish and install hardware and draperies in the Illinois Street Residence Halls dining room, linen casement fabric, unlined, in the following sizes: Twelve pair 24 ft. wide by 64 ft. long Three pair 12 ft. wide by 32 ft. long One pair 6 ft. wide by 24 ft. long	Housing Division	Drexel Venetian Blind Laundry, East St. Louis	3 278 26 f.o.b. delivered and installed
1,300 mattresses, 36 in. by 79 in., not less than 4½ in. thick, core to be of latex foam, covering to be 8 oz. aca ticking, for use in the Illinois Street Residence Halls	Housing Division	Anderson Mattress Co., Anderson, Ind.	30 784 00 f.o.b. delivered
Bed linen items to equip the Illinois Street Residence Halls: 98 dozen combination mattress pad and cover (Item 1) 625 dozen sheets, size 63 in. by 108 in., thread count 140 (Item 2) 625 dozen pillow cases, 42 in. by 36 in., thread count 140 (Item 3) 2,500 only, blankets, size 62½ in. by 90 in., 90 per cent wool, 10 per cent nylon (Item 4)	Housing Division	American Textile Distributors, Philadelphia, Pa. Item 1 Kansas City White Goods Manufacturing Co., Kansas City, Mo. Item 2 Item 3 Horner Woolen Mills Co., Eaton Rapids, Mich. Item 4	2 688 14 11 950 00 2 731 25 9 000 00 (26 369 39) f.o.b. delivered
1,250 pillows, bed, 20 in. by 26 in. finished size, filled with not less than 1 pound 14 ounces new feathers, for the Illinois Street Residence Halls	Housing Division	Karoll's, Inc., Chicago	2 750 00 f.o.b. delivered
1,570 study lamps, complete with shades, for use in the student rooms in the Illinois Street Residence Halls	Housing Division	Excel Manufacturing Corp., Muncie, Ind.	11 775 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of lamps and sand urns for use in the lounge areas of the Illinois Street Residence Halls as follows: Fifty-two floor lamps 106 table lamps Four desk lamps Four sand urns	Housing Division	Gilbert A. Force Co., Chicago	\$ 3 532 51 f.o.b. delivered
Two roaster ovens, triple deck, 60 in. by 45 in. by 76½ in., each deck fitted with one intermediate removable shelf, light, and removable rack, for installation in the Illinois Street Residence Halls food service areas	Housing Division	L. B. Herbst Corp., Chicago	3 551 62 f.o.b. delivered
One mixer, food, eighty-quart capacity, with bowl splash cover, oil dropper, and the following accessories for the Illinois Street Residence Halls: Two eighty-quart stainless steel bowls Two bowl trucks Three stainless steel wire whips Six slicer and shredder plates	Housing Division	Hobart Manufacturing Co., Springfield	2 559 60 f.o.b. delivered
Two food warmers, four compartments each, 22 in. by 30½ in. high, fitted with stainless steel slides, adjustable and removable, for the Illinois Street Residence Halls	Housing Division	Edward Don & Co., Chicago	5 698 00 f.o.b. delivered
Approximately 125 uniforms for Army Advanced R.O.T.C. students; uniform to include: coat, trousers, cap, two shirts, belt, tie, gloves, and trench coat	Military Property Custodian	Bendone Manufacturing Corp., New York, N.Y.	30 673 75 f.o.b. delivered
Approximately 150 uniforms for Air Force Advanced R.O.T.C. students; uniform to include: coat, trousers, cap, two shirts, belt, tie, gloves, top coat, and braid			
630 (approximately) steel library bookshelf units, 36 in. wide by 9½ in. deep by 84 in. high, complete with closed back and finished end panels to provide for anticipated requirements for new buildings under construction on the Urbana campus and for Office Supply Storeroom stock; approximately 500 of the estimated total to be delivered in June, August, December, 1964, February and June, 1965, with the balance to be ordered for interim shipments as required	Office Supply Storeroom	S. Buckman Furniture & Supply, Spring Valley	22 579 20 f.o.b. delivered
720,000 envelopes, 28 lb. brown kraft, gummed flap, open end, clasp, various sizes	Office Supply Storeroom	Graham Paper Co., St. Louis, Mo.	11 980 80 f.o.b. delivered
270,000 envelopes, 20 lb. brown kraft, gummed flap, open end, catalog, various sizes			
30,000 envelopes, 28 lb. brown kraft, gummed flap, open end, coin, size 3¼ in. by 5½ in.			
1,200,000 envelopes, 20 lb., grant kraft, gummed flap, various sizes			
The above is an estimated ten-month supply of envelopes			
One photo enlarger for negatives, 35 mm. to 4 in. by 5 in.	Photography	Log Etronics, Inc., Alexandria, Va.	10 319 40 f.o.b. Alexandria, Va.
One lens, 105 mm., f 5.6			
One lens, 135 mm., f 3.5			
One negative carrier 2¼ in. square, and one ditto 4 in. by 5 in.			
Furnish and install in the new Print Shop Building one remelt furnace, two-ton crucible capacity with complete metal drainage, equipped with one under-mold, four scrap trucks, and one eight-inch skimmer	Print Shop	Graphic Arts Equipment Co., Chicago	4 700 00 f.o.b. delivered and installed
One truck, 1964 model, 9,800 lb. gross vehicle weight, with V-8 engine, four-speed synchromesh transmission, van body 9 ft. long, 8 ft. wide, 7½ ft. high, and hydraulic tail gate lift	Purchasing	Springer Motor Sales, Rantoul	3 349 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Laboratory furniture as follows:	Physical Plant	Metalab Equipment Co., Hicksville, N.Y.	\$ 3 867 90 f.o.b. delivered
Four storage cabinets			
Nine standard sectional base units			
Five sink units and necessary service fixtures and valves			
Eighty-four ft. (approximately) stone for bench tops and back splash trim			
Two chemists desks			
For stock to be installed as required			
Approximately 127,000 board feet lum- ber and 425 pieces clear fir flooring to be used by the Physical Plant De- partment during the period July 1, 1964, through June 30, 1965, as re- quired for work on the Urbana cam- pus	Physical Plant	Savoy Lumber & Materials Co., Savoy	19 967 67 f.o.b. delivered
Approximately 2,875 sheets plywood to be used by the Physical Plant De- partment as required during the period July 1, 1964, through June 30, 1965, for various work on the Urbana campus	Physical Plant	Thompson Lumber Co., Champaign	14 017 00 f.o.b. delivered
Building materials as required by Physical Plant in small quantities (approx- imate) during the period July 1, 1964, through June 30, 1965, as follows:	Physical Plant	Thompson Lumber Co., Champaign	5 487 20 f.o.b. delivered
900 sheets tapered edge wallboard			
179 sheets asbestos board			
100 sheets insulation board			
100 sheets pressed fibre board			
320 sheets tempered hardboard			
125 sheets tempered pegboard			
1,100 yards (approximately) ready mixed concrete for delivery to job site for use by the Physical Plant De- partment in various work on the Urbana campus during the period July 1, 1964, through June 30, 1965	Physical Plant	Odman-Hecker & Co., Urbana	17 897 50 f.o.b. delivered
Fifteen sedans, 1964 model, four-door, V-8 engine, automatic transmission, less trade-in of 1962 model vehicles of same type, except with 6 cylinder engines	Physical Plant	Rhodes Chevrolet, Farmer City Group 1 Group 3 Group 4	14 506 00 999 00 900 00
Two station wagons, 1964 model, nine- passenger, V-8 engine, automatic transmission, less trade-in of 1962 model vehicles of same type		Sullivan Chevrolet Co., Champaign Group 6	3 062 02
One police car, 1964 model, four-door, V-8 engine, automatic transmission, power steering, power brakes, less trade-in of 1963 model vehicle of same type (communications equip- ment to be transferred from old to new vehicle by the University)		Courtesy Motor Sales, Inc., Chicago (Ford) Group 5	2 940 00
One sedan, compact, 1964 model, six- cylinder engine, automatic trans- mission, less trade-in of 1962 model vehicle of same type		University Ford, Champaign Group 2	1 940 00 (24 347 02) f.o.b. delivered
One police car, 1964 model, V-8 engine, automatic transmission, two-way ra- dio, public address unit, and beacon flasher			
Two utility vehicles, 1964 model, V-8 engine, automatic transmission, less trade-in of 1961 and 1962 model ve- hicles of the same type			
(Note: This purchase will be made from Institutional Funds, \$23,348.02, and Appropriated Funds, \$999.00, for a total of \$24,347.02.)			
Twenty automobiles, 1964 models, four- door sedans, with V-8 engine, auto- matic transmission, and standard equipment	Physical Plant	Courtesy Motor Sales, Inc., Chicago	36 980 00 f.o.b. delivered

On motion of Mr. Pogue, these purchases were authorized.

## COMPTROLLER'S REPORT OF CONTRACTS

(40) The comptroller's report of contracts executed during the period April 1 to 30, 1964.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Agency for International Development AID/csd-349	Prepare for publication a Resource Handbook outlining problems and procedures in establishing and operating an agricultural college	\$ 25 000 00	February 6, 1964
The Pillsbury Co.	Effect of water activity characteristics of flour on the performance of cake mixes	5 900 00	March 16, 1964
Space Technology Laboratories Sub-contract under AF33(657)-10999	Electrical propulsion study of variations in specific charge of a glycerol type working fluid with variation in temperature, conductivity, and viscosity	10 000 00	September 4, 1963
Special Dairy Industry Board	Influence of the major fatty acids in milk fat on serum cholesterol levels	20 500 00	February 1, 1964
Superintendent of Public Instruction	Conduct demonstrations, experimental projects, and institutes in the field of education of gifted children	1 150 00	March 13, 1964
United States Air Force AF19(628)-3900	Conduct the gyro resonance experiment in a rocket to determine the possibility of controlling ionospheric characteristics	25 000 00	February 1, 1964
United States Air Force AF33(615)-1459	High-intensity charged particle sources	74 834 00	February 1, 1964
United States Air Force AF49(638)-1383	Research in system theory	51 430 00	May 1, 1964
United States Army DA-28-043 AMC-0073(E)	Development of techniques for military applications in accordance with Confidential Technical Guidelines	1 266 667 00	April 1, 1964
United States Army DA-49-193-MD-2571	Publication of a bibliography on the wholesomeness of irradiated foods	10 444 00	March 1, 1964
United States Army DA-49-193-MD-2572	Nutritive value of the major nutrients of irradiated foods	42 864 00	March 1, 1964
United States Department of Health, Education, and Welfare OE-4-12-040	Provide training to improve the qualifications of personnel engaged in counseling and guidance of students within grades 7 through 12	94 245 00	January 2, 1964
United States Department of Health, Education, and Welfare OE-4-16-008	Implications and feasibility of the application of newer media to staff, space, and curriculum problems at a rapidly growing urban university	66 863 00	March 30, 1964
United States Department of Health, Education, and Welfare OE-5-10-004	Identification and organization of the major topics and literatures in philosophical foundations of education	104 539 00	July 1, 1964
United States Department of Health, Education, and Welfare PH-108-64-42	Investigate the chronic effects of a walking and running exercise program on lower limb circulation in middle-aged and older men	5 526 00	March 15, 1964
<b>Total</b>		<b>\$1 804 962 00</b>	

## Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
John Deere Co.	Rental of farm machinery, ten items: \$57.75 to \$701.87	\$ 3 479 00	September 3, 1963
International Business Machines Corp.	Rental of office machines, four items: \$576.00 to \$189,605.00	199 387 00	March, 1964
<b>Total</b>		<b>\$202 866 00</b>	

## Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
FMC Corp. Sub-contract under DA-18-108-AMC-108(A)	Compounds to be synthesized and/or evaluated and biological evaluation techniques	\$ 37 750 00	April 3, 1964

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Moorman Manufacturing Co.	Poultry nutrition	\$ 2 600 00	April 7, 1964
Research Council on Riveted and Bolted Structural Joints of the Engineering Foundation	Behavior of riveted and bolted structural joints	21 000 00	January 1, 1964
United States Air Force AF29(601)-4993	Evaluation of tunnel liners	1 069 00	March 11, 1964
United States Air Force AF33(657)-10659	Information processing capability of signal analysis system	25 000 00	February 1, 1964
United States Army DA19-129-QM-1709(N)	Influence of tomato constituents on flavor of irradiated meat	449 00	February 18, 1964
United States Atomic Energy Commission AT(11-1)-392	Obtaining one millimeter source of C.W. microwaves and associated components	2 613 00	February 28, 1964
United States Navy Nonr-3985(04)	Pre-programmed self-instruction and self-programmed individualized education	46 579 00	March 11, 1964
<i>Total</i>		<u>\$137 060 00</u>	

#### Adjustments Made in 1963-64 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
George S. Grimmett & Co. (Plastering)	Twenty-three items: \$50.05 deduct to \$700.00	\$ 2 345 00	March and April, 1964

#### Summary

Amount to be paid to the University.....	\$1 942 022 00
Amount to be paid by the University.....	205 211 00

This report was received for record.

#### QUARTERLY REPORT OF THE COMPTROLLER

(41) The Comptroller presented his quarterly report to the Board as of March 31, 1964.

This report was received for record, and a copy has been filed with the Secretary of the Board.

#### EMPLOYMENT OF AUDITORS

Mr. Swain, for the Finance Committee, presented the following:

For many years, the University has been employing certified public accounting firms for annual audits of the University of Illinois for five-year assignments. The five-year cycle worked out well. Beginning with the audit for the fiscal year ended June 30, 1958, the Board of Trustees authorized the employment of Ernst and Ernst for a three-year period. It was felt that the shorter cycle would enable broader participation of public accounting firms interested in the assignment and, without experience with such a cycle, there was no reason to believe it might not be effective. At the conclusion of the contract with Ernst and Ernst, representatives of that firm reported their experience indicated that a longer period was desirable. The size and complexity of the University records are such that the auditing firm spent excessive amounts of time in the early years of its assignment in becoming familiar with the records and their relationships.

In order to secure more experience with the three-year cycle, Lybrand, Ross Bros., and Montgomery was employed for a three-year period beginning with the audit of the year ended June 30, 1961. Its three-year assignment was completed with the audit of the year ended June 30, 1963. This firm also reported its experience indicates that the three-year cycle is too short to realize the most effective utilization of the auditing firm's services. Staff members of the Business Office also report that the three-year cycle requires excessive staff time in assisting the auditors.

The Finance Committee therefore authorized the Comptroller to determine the interest of Lybrand, Ross Bros., and Montgomery in continuing the audit for

an additional two-year period. The firm has submitted a proposal for the audit of the University and its allied organizations as follows:

		(Preceding Year's Fees)
The University of Illinois, including all revenue bond funds.....	\$24 300	\$22 300
State Universities Retirement System.....	2 300	2 000
The University of Illinois Alumni Association.....	650	600
The University of Illinois Athletic Association, including the Retirement System.....	1 100	1 000
The University of Illinois Foundation.....	1 800	1 500

The Comptroller believes the fees are reasonable in view of the increased volume of financial activities, not only in regular operations but also on construction, and the increased cost of auditing services that has occurred over the last three years.

In accordance with the usual practice, the auditing firm will submit its reports jointly to the Board of Trustees and to the office of the Auditor General. The proposal has the approval of the office of the Auditor General, in accordance with customary procedures.

The Finance Committee recommends the employment of Lybrand, Ross Bros., and Montgomery for the audit of University accounts for the fiscal year ending June 30, 1964.

On motion of Mr. Swain, this recommendation was approved.

#### SALARY OR ANNUITY PROGRAM

Mr. Swain, for the Finance Committee, presented the following:

For many years the Internal Revenue Code offered employees of certain organizations an income tax benefit if a part of their compensation was in the form of a non-forfeitable annuity contract paid for by the employer. Increased attention was paid to this provision when its implications were clarified by the enactment of the Technical Amendments Act of 1958 which modified the Internal Revenue Code.

Under the Internal Revenue Code, the amount paid by the employer for such an annuity is not considered to be taxable income to the employee in the year in which the employer makes such payment. It will represent taxable income to the employee when he receives payments from the annuity, which normally will be after retirement and at a time when his total income is smaller, resulting in a lower tax bracket.

In 1963, the General Assembly amended the Illinois statutes relating to state employees to permit an adjustment in an employee's earnings and the application of the amount of the adjustment to the purchase of an annuity contract for the employee.

Section 166(c), Chapter 127, of the Illinois Revised Statutes, as so amended, reads:

"Each employer as defined in Section 15-106 of the 'Illinois Pension Code,' approved March 18, 1963, as amended, pertaining to the State Universities Retirement System, may permit any employee covered by that System to accept a reduction in earnings or forego an increase in earnings in consideration for which the employer shall pay the amount of the adjustment in earnings to an insurance company or companies selected by the employer to be applied as a premium on an annuity contract under which the employee's rights are non-forfeitable except for failure to pay future premiums. The selection of the insurance company or companies and the purchase of the annuity contracts shall not be subject to 'An Act in relation to state purchasing and contracts,' approved July 11, 1957, as amended.

"Each employer may adopt rules to implement this Act including, but not by way of limitation, (a) the method of filing an election to accept an adjustment in earnings and revocation of the election, (b) the effective date of an election, (c) changes in the amount of the adjustment in earnings, and (d) selection of the insurance company or companies from which the annuity contracts are to be purchased."

Dr. Robert I. Mehr, Professor of Finance and a member of the Urbana-

Champaign Senate Committee on Retirement, Hospitalization, and Insurance, at the request of the University administration, studied the problem of establishing criteria for the selection and approval of insurance companies which the Board of Trustees could consider in offering to acquire annuities for staff members, and has recommended the following set of standards (a copy of his report has previously been submitted to the Finance Committee):

1. The company must have had at least \$750 million of life insurance in force in Illinois as of December 31, 1962.
2. The company must have collected at least \$20 million of premium in Illinois during 1962.
3. The company must have a net yield on investment in excess of the average for the industry in each of the years 1960 through 1962.
4. The company must be willing to work closely with the University in product design.

Four companies meet these standards. Prudential Insurance Company of America and Continental Assurance Company offer group contracts. The Northwestern Mutual Life Insurance Company and the Massachusetts Mutual Life Insurance Company offer individual contracts in addition to these four. Dr. Mehr recommends that the Teachers' Insurance Annuity Association also be approved for individual contracts serviced by mail. This company was organized by the Carnegie Foundation for the Advancement of Teaching, but is now a separate entity and is now self-sustaining. It operates a companion, but separate, corporation, the College Retirement Equities Fund. Eligibility for insurance and annuities in the Association is limited to employees of colleges, universities, independent schools, and other non-profit, tax-exempt educational and scientific organizations that meet the TIAA requirements. Currently, over 1,200 organizations are cooperating with TIAA, of which approximately one-half are colleges and universities. Because of its efficient operations, and designation as an insurance carrier for college faculty members, a number of University of Illinois faculty presently own TIAA contracts purchased for them by other institutions. It would be to their advantage, in some cases, to continue this relationship, rather than to start a new contract with a new company. Accordingly, Dr. Mehr recommends approval of TIAA-CREF as the fifth company authorized to do business under this arrangement.

Obviously, the University can not do business with all insurance companies. Some restriction is necessary. The smaller the number of insurance companies involved, the more effective can be the liaison between the University, the insurance company, and the staff member. Application of the standards recommended results in only five companies being approved, but it is believed that within these five companies, sufficient variation of programs is available to serve the needs of the faculty.

The Salary or Annuity program has been presented to and discussed with the Senate Committee on Retirement, Hospitalization, and Insurance on each campus and the Employees Advisory Committee to the Board of Trustees of the State Universities Retirement System.

The Finance Committee recommends the adoption of the following rules by the Board of Trustees as contemplated by the Illinois statute, and further recommends that the appropriate University officials be authorized to publicize and implement the same.

**Rules Adopted by the Board of Trustees of the University of Illinois  
to Implement Provisions of Illinois Revised Statutes,  
Chapter 127, Section 166(c)**

1. Any employee of the University who is a participant in the State Universities Retirement System and who desires to make an election to accept an adjustment in earnings pursuant to Section 166(c) of Chapter 127 of the Illinois Revised Statutes shall do so by executing and filing with the University a document in a form approved by the Vice-President and Comptroller and by the Legal Counsel. In the event that more than one such election is filed by an employee, the election bearing the latest date shall be deemed to supersede all previous elections, but no employee may file more than one election in any calendar year. Any such election



so filed may be revoked at any time by the employee upon filing a written revocation with the University.

2. The initial effective date for any employee's adjustment in earnings hereunder shall be July 1, 1964.

3. The following insurance companies are selected as those from which the University may purchase the annuity contracts referred to in said Section 166(c) of Chapter 127 of the Illinois Revised Statutes, and the amount of the adjustment in each employee's earnings shall be paid to one or more of said companies to be applied as a premium on an annuity contract or contracts under which such employee's rights are non-forfeitable except for failure to pay future premiums:

The Continental Assurance Company  
 The Massachusetts Mutual Life Insurance Company  
 The Northwestern Mutual Life Insurance Company  
 Prudential Insurance Company of America  
 Teachers' Insurance Annuity Association

4. These rules may be amended or supplemented by the Board of Trustees from time to time.

On motion of Mr. Swain, these recommendations were approved, and the proposed rules were adopted.

#### INVESTMENT REPORT

##### Report of the Finance Committee

(42) Mr. Swain, for the Finance Committee, presented the following changes in investments of endowment funds for the month of March, 1964:

##### *Pool*

Purchase					
\$ 5 000	U. S. Treasury bonds	4 per cent	2/15/80	\$ 4 925 00	
20/100 share	Eastman Kodak common stock			25 63	

##### *Müller*

Sale					
200 shares	Abbott Laboratories common stock			\$ 24 379 21	
1,000 shares	Tampa Electric common stock			25 007 28	

Purchase:					
\$ 50 000	U. S. Treasury bonds	4 per cent	10/15/69	\$ 49 906 25	

##### Report of the Comptroller

The Comptroller reported the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

##### *Current Funds*

##### *Restricted Group (June 20, 1962)*

Purchase				
\$ 250 000	U. S. Treasury bills	3/26/64	\$249 672 36	
850 000	U. S. Treasury bills	4/30/64	845 992 92	
700 000	U. S. Treasury bills	7/30/64	691 052 36	
500 000	Commercial Credit promissory notes	7/30/64	439 057 29	
300 000	Household Finance promissory notes	9/15/64	293 929 17	

##### *Construction Funds*

##### *Assembly Hall (June 23, 1959, and March 17, 1962)*

Purchase			
\$ 100 000	U. S. Treasury bills	7/16/64	\$ 98 783 39

##### *Illini Union and Health Center (December 21, 1960)*

Purchase			
\$ 160 000	U. S. Treasury bills	6/11/64	\$158 685 87

##### *Illinois Street Residence Halls (October 17, 1962)*

Purchase			
\$ 55 000	U. S. Treasury bills	6/11/64	\$ 54 530 80

**Orchard Downs (June 14, 1960)****Purchase**

\$ 102 000	U. S. Treasury bills	6/11/64	\$101 162 24
5 000	U. S. Treasury bills	7/16/64	4 946 90

**Orchard Downs Addition (May 24, 1962)****Purchase**

\$ 70 000	U. S. Treasury bills	5/14/64	\$ 69 599 62
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**Pennsylvania Avenue Residence Halls (June 21, 1961)****Purchase**

\$ 95 000	U. S. Treasury bills	5/14/64	\$ 94 459 74
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**Student Services Building (May 17, 1961)****Purchase**

\$ 26 000	U. S. Treasury bills	5/14/64	\$ 25 852 14
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On motion of Mr. Swain, this report was received for record.

### **ADDITION TO CONTRACT FOR CONSTRUCTION OF THE ADMINISTRATION BUILDING**

(43) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$3,154.13 in the contract with Kuhne-Simmons Company, Inc., Urbana, for construction of the south addition to the Administration Building to provide for modifications in the electrical work and an increased number of lighting fixtures on the third floor, west end, of the new unit.

Funds are available in the project budget.

I concur.

On motion of Mr. Pogue, this change in contract was authorized.

### **EMPLOYMENT OF SPECIAL COUNSEL**

(44) A suit has been filed in the Circuit Court of Cook County (63 C 18217) by the Harwald Company, Inc., a manufacturer and distributor of film inspection equipment. The Company was barred from bidding on University business for one year by action of the Board of Trustees on March 20, 1963. The complaint seeks damages for injuries to the plaintiff's reputation and business alleged to have been caused, in part, by reason of the March 20, 1963, Board action, an alleged failure by some of the defendants to exercise due diligence in the pursuit of their various functions at the University, and by actions of some defendants in connection with an opinion given to the University by an engineering firm as to the quality and utility of certain film inspection machines. The named defendants include, among others, the University and three of its employees. Each of the employees has stated that he was performing his University duties on all occasions referred to in the complaint and has requested the University to provide counsel to defend his legal rights in the matter. The Legal Counsel recommends that he be authorized to take such steps as are necessary or appropriate, including the employment of special legal counsel, to defend the University and its employees in the proceedings.

I concur.

On motion of Mr. Swain, this recommendation was approved, and authority was given as requested.

### **FUTURE BOARD MEETINGS**

President Clement announced that the next two meetings will be held in Urbana, Illinois, on June 17 and July 22, 1964. He asked if the Board desired to consider the question of a meeting in August.

It was the consensus of the Board that this decision should be deferred until a later meeting.

### **ASSOCIATION OF GOVERNING BOARDS**

Mrs. Watkins presented a report on the meeting of the Association of Governing Boards of Universities and Colleges held at the University of Nevada on May 14 and 15, which she attended as a representative

of the Board of Trustees and as a member of the Association's Executive Committee.

**REPORT ON ADMISSIONS TO THE UNIVERSITY OF ILLINOIS  
AT URBANA FOR SEPTEMBER, 1964**

President Henry and Executive Vice-President and Provost Lanier reported on the enrollment demand at Urbana, and Vice-President Parker on the enrollment demand at the Chicago Undergraduate Division.

Because of the lack of housing accommodations, faculty, and academic space, coupled with an unprecedented number of applications for admission, many qualified applicants will be denied admission to the University of Illinois at Urbana next September.

Present indications are that the Chicago Undergraduate Division can accommodate only two-thirds of the qualified applications for admission in September, 1964.

A summary of the President's report was issued as a public announcement and a copy is filed with the Secretary of the Board for record.

**SECRETARY'S REPORTS**

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows made by the President; appointments of fellows made by the Dean of the Graduate College; declinations, resignations, and terminations; leaves of absence; sabbatical leaves of absence; retirements.

**APPOINTMENTS MADE BY THE PRESIDENT**

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

AMER, AYOUR, Research Associate in Radiology, College of Dentistry, March 16-August 31, 1964, \$700 a month (4-9-64).

ANDREWS, JAMES H., Research Associate in the Institute of Government and Public Affairs, two months from July 1, 1964, \$775 a month (4-13-64).

ARLT, MRS. PHYLLIS B., Instructor in Speech and Theatre,  $\frac{1}{2}$  time, two months from June 16, 1964, \$782.22; this is in addition to her present appointment (4-2-64).

BABIAK, PAUL P., Catalog Assistant in the Library, five months from April 1, 1964, \$5,700 a year, supersedes (4-1-64).

BAUER, ANTHONY M., Research Assistant in City Planning and Landscape Architecture, two months from June 16, 1964, \$933.34 (3-24-64).

BHARADWAJ, RAMA KANT, Research Assistant in Entomology, two months from June 16, 1964, \$1,022.24 (4-16-64).

BRADLEY, WAYNE E., Research Assistant in the State Water Survey and in the Graduate College, one year from July 1, 1964, \$7,200 (4-2-64).

BRADY, U. EUGENE, JR., Research Assistant in Entomology, two months from June 16, 1964, \$1,000 (4-16-64).

CARTER, VERA J., Library Assistant in the Library, one year from September 1, 1964, \$5,700 (4-14-64).

CECE, JOSEPH D., Clinical Instructor in Medicine, College of Medicine, five months from April 1, 1964, without salary (4-16-64).

CHANDRAN, RAMAN SATISA, Research Assistant in Entomology, two months from June 16, 1964, \$1,022.24 (4-17-64).

CHENG, CHIN-CHUAN, Instructor in Linguistics,  $\frac{3}{4}$  time, academic year 1964-65, \$5,300 (4-9-64).

CHITTY, JACK L., Clinical Instructor in Medicine, College of Medicine, six months from March 1, 1964, without salary (4-6-64).

CHU, SHIH-FAN, Research Assistant in Economics, two months from June 16, 1964, \$934 (4-2-64).

- CHURCHWELL, CHARLES D., Bookstacks Librarian in the Library, with rank of Instructor, June 15-August 31, 1964, \$625 a month, supersedes (4-17-64).
- CLAYTON, GEORGE T., Adviser for preregistration for entering freshmen in Architecture,  $\frac{1}{2}$  time, June 16-August 4, 1964, \$900; this is in addition to his appointment as Associate Professor of Architecture (3-20-64).
- COHEN, GERALD, Clinical Instructor in Medicine, College of Medicine, five months from April 1, 1964, without salary (3-26-64).
- COWIN, JOHN W., Instructor in Chemistry, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$1,689 for the period, supersedes previous Summer Session appointment (4-21-64).
- DASSO, JEROME J., Instructor in Finance, academic year 1964-65, \$9,500 (4-20-64).
- DEWEY, BRUCE R., Instructor in Theoretical and Applied Mechanics (C),  $\frac{1}{2}$  time, academic year 1964-65, \$3,000 (4-17-64).
- DICKERSON, ROBERT H., Research Associate in Physics (C), one year from September 1, 1964, \$8,000 (4-6-64).
- ERNST, EDWARD, Associate Professor of Electrical Engineering (C), two months from June 16, 1964, \$1,377.77 a month; this is in addition to his present appointment (4-20-64).
- GANS, RENA, Research Assistant in the State Water Survey and in the Graduate College, one year from July 1, 1964, \$6,000 (4-2-64).
- GARDNER, KARL E., Chief of Party, and Adviser to Principal at the Njala College, Sierra Leone, for service under Contract USAID/AFE 132, from February 1 through March 9, 1964, \$20,075 a year, and at the Campus Office of AID Projects from March 10 through March 15, 1964, \$18,250 a year; and Professor of Nutrition (Dairy Science), indefinite tenure, and Associate Dean of the College of Agriculture, March 16, 1964, through August 31, 1965, \$18,250 a year, supersedes (3-26-64).
- GOVINDJEE, MRS. RAJNI, Research Associate in Botany, six months from March 1, 1964, \$6,500 a year (4-9-64).
- HANSON, DONALD D., Associate Professor of Architecture and Chairman of the Department of Architecture, Chicago Undergraduate Division, June 16-August 31, 1964, \$3,639; this is in addition to his present appointment as Associate Professor of Architecture, Urbana (4-17-64).
- HIELSCHER, FRANK H., Research Assistant in Electrical Engineering (C), two months from June 16, 1964, \$977.76 (4-8-64).
- HOAR, VICTOR M., JR., Assistant in English, February 1-June 15, 1964, \$2,100, supersedes (4-16-64).
- HOLLADAY, DEE M., Associate Professor of General Engineering, Chicago Undergraduate Division, nine months from September 16, 1963, \$8,800, supersedes (3-26-64).
- HUITEMA, ROY, Professor of Chemistry, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$2,800 for the period (4-21-64).
- ISAACS, KENNETH S., Research Associate in Psychiatry, College of Medicine,  $\frac{1}{2}$  time, five months from April 1, 1964, \$6,000 a year, supersedes (4-13-64).
- KOELLING, ALFRED C., Instructor in Botany, Summer Session of 1964, June 15-August 8, 1964, \$1,334 for the period (4-4-64).
- LENER, LEON M., Research Associate in Biological Chemistry, College of Medicine, four months from May 1, 1964, \$625 a month, supersedes (4-6-64).
- LEVITOV, EDITH S., Research Assistant in Psychiatry, College of Medicine, four months from May 1, 1964, \$583.33 a month, supersedes (4-2-64).
- LEWIS, OSCAR, Professor of Anthropology, two months from June 16, 1964, \$4,111.10; this is in addition to his present appointment (3-20-64).
- LIEM, KAREL F., Visiting Lecturer in Zoology, Summer Session of 1964, June 15-August 8, 1964, \$1,700 for the period (4-20-64).
- LINDBLAD, NERO R., Research Assistant in the State Water Survey and in the Graduate College, one year from July 1, 1964, \$8,400 (4-2-64).
- LINSTER, RICHARD L., Visiting Lecturer in Physics, Summer Session of 1964, June 15-August 8, 1964, \$2,300 for the period (4-20-64).

- LOCKE, ROBERT F., Consultant in Immunology, Medical Research Laboratory, Medical Center, Chicago, 1/10 time, March 15-August 31, 1964, \$1,500; this is in addition to his appointment as Clinical Assistant Professor of Preventive Medicine, College of Medicine, without salary (4-2-64).
- LOISEAUX, PIERRE R., Visiting Lecturer in Law, Summer Session of 1964, June 15-August 8, 1964, \$3,000 (4-6-64).
- MADDEN, JOHN J., Research Associate in Microbiology, five months from April 1, 1964, \$541.67 a month, supersedes (2-26-64).
- MAGRILL, ROSE M., Assistant in the Graduate School of Library Science, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (3-24-64).
- MATLIN, SAMUEL, Clinical Associate in Medicine, College of Medicine, and in Oral Medicine, College of Dentistry, four months from May 1, 1964, without salary, supersedes previous nonsalaried appointment (4-16-64).
- MATTHEWS, MRS. ELIZABETH W., Visiting Lecturer in the Graduate School of Library Science, Summer Session of 1964, June 15-August 8, 1964, \$1,800 for the period (4-14-64).
- MCGURK, FLORENCE F., Research Assistant in the State Water Survey and in the Graduate College, one year from July 1, 1964, \$6,000 (4-2-64).
- MCNEE, JOHN D., Professor of Art, Chicago Undergraduate Division, Summer Session of 1964, 1/2 time, June 19-August 14, 1964, \$1,167 for the period, supersedes previous Summer Session appointment (3-24-64).
- MICHEL, THOMAS F., Registered Pharmacist in Hospital Pharmacy, College of Pharmacy, March 22-August 31, 1964, \$7,200 a year (4-14-64).
- MICKLESEN, LEW R., Professor and Head of the Department of Slavic Languages and Literatures, one month from August 16, 1964, \$1,888.89; this is in addition to his appointment dated March 25, 1964 (3-31-64).
- MILES, HENRY J., Professor of Mathematics, Summer Session of 1964, 55/100 time, June 15-August 8, 1964, \$1,434 for the period, supersedes previous Summer Session appointment on 1/2 time (4-1-64).
- MONTH, MELVIN, Research Associate in Physics (C), one year from September 1, 1964, \$8,000 (4-6-64).
- MORIMOTO, TAKETOSHI, Research Associate in Physiology and Biophysics, one year from September 1, 1964, \$6,100 (4-16-64).
- MOSER, MRS. KAREN D., Research Assistant in Animal Science (S), April 6-August 31, 1964, \$2,094.43 (4-10-64).
- MUELLER, EUGENE A., Research Associate in the State Water Survey and in the Graduate College, 1/2 time, one year from July 1, 1964, \$6,300 (4-2-64).
- MUELLER, HENRY F., Research Associate in the State Water Survey and in the Graduate College, 1/2 time, one year from July 1, 1964, \$4,625 (4-2-64).
- MULLEN, JESS, Assistant (Architecture) in the Library, three months from June 1, 1964, \$1,400, supersedes (4-16-64).
- PHILCOX, MICHAEL E., Research Associate in Geology, one year from September 1, 1964, \$6,100 (3-26-64).
- PIERRET, ROBERT F., Research Assistant in Electrical Engineering (C), two months from June 16, 1964, \$977.76 (4-14-64).
- PIGGOTT, ROBERT W., Cataloger in the Library, with rank of Instructor, three months from June 1, 1964, \$508.34 a month (4-20-64).
- PINK, ROBERT J., Clinical Assistant in Medicine, College of Medicine, six months from March 1, 1964, without salary (4-9-64).
- PITT, CARL A., Adviser for Continuing and Advanced Enrollment, Division of Education, Chicago Undergraduate Division, June 22-August 14, 1964, \$2,045; this is in addition to his present appointment (4-21-64).
- RADICE, CANIO, Professor of Art, Chicago Undergraduate Division, June 19-August 14, 1964, \$2,400; this is in addition to his present appointment (3-26-64).
- RAFUSE, ROBERT W., JR., Assistant Professor of Economics, Summer Session of 1964, June 15-August 8, 1964, \$1,845 for the period, supersedes previous Summer Session appointment (4-16-64).
- RAHEJA, KRISHAN LAL, Research Assistant in Veterinary Physiology and Pharmacology, College of Veterinary Medicine, April 16-August 31, 1964, \$2,100, supersedes (4-16-64).
- RAMAN, ARAVAMUDHAN, Research Associate in Metallurgical Engineering (C), June 16-August 31, 1964, \$583.33 a month; and one year from September 1, 1964, \$7,000 (4-23-64).

- RAO, M. R. RAGHAVENDRA, Visiting Scientist in Chemistry, five months from April 1, 1964, \$3,750 (4-2-64).
- RICHARDSON, JOHN F., Professor of Art, Chicago Undergraduate Division, Summer Session of 1964,  $\frac{1}{2}$  time, June 19-August 14, 1964, \$1,167 for the period (3-24-64).
- ROSS, HERBERT L., Instructor in Business Education, College of Commerce and Business Administration,  $\frac{1}{2}$  time, academic year 1964-65, \$3,600 (4-20-64).
- ROYSTER, RICHARD S., Assistant Professor of General Engineering, Chicago Undergraduate Division, nine months from September 16, 1963, \$8,200, supersedes (3-26-64).
- SANDY, LESLIE W., Associate Coordinator of School-University Articulation, Office of Admissions and Records, one year from September 1, 1964, \$10,500 (4-17-64).
- SCHIELD, MRS. SANDRA S., Extramural Loans Librarian in the Library, with rank of Assistant, June 15-August 31, 1964, \$1,166.67 (4-10-64).
- SCHWARTZ, SUSAN S., Research Assistant in the State Water Survey and in the Graduate College, one year from July 1, 1964, \$6,000 (4-2-64).
- SHULMAN, HAROLD S., Assistant Professor of Psychology, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$1,100 for the period (4-1-64).
- SHULT, ERNEST E., Research Associate in Mathematics, June 16-August 31, 1964, \$2,250 (4-1-64).
- SIMS, ARTHUR L., Research Assistant in the State Water Survey and in the Graduate College, one year from July 1, 1964, \$9,600 (4-2-64).
- SOLO, FRANK W., JR., Research Associate in the State Water Survey and in the Graduate College, 2/10 time, one year from July 1, 1964, \$3,000 (4-2-64).
- SOSA, GUSTAVO, Clinical Instructor in Medicine, College of Medicine, five months from April 1, 1964, without salary (4-16-64).
- SPELLBERG, RICHARD D., Research Assistant in Medicine, College of Medicine, July 15, 1964-June 30, 1965, \$5,400 a year (4-23-64).
- TENCZAR, THEODORE R., Clinical Instructor in Surgery, College of Medicine, six months from March 1, 1964, without salary (3-26-64).
- TICHENOR, DUANE, Research Associate in Vocational and Technical Education, College of Education, to render service during the second semester of the academic year 1963-64, \$3,100, supersedes (4-10-64).
- TIPLER, PAUL, Research Associate in Physics (C), four months from May 1, 1964, \$3,800 (4-9-64).
- WAGNER, MERLEE N., Assistant in Physical Medicine and Rehabilitation, College of Medicine, five months from April 1, 1964, \$6,300 a year (4-2-64).
- WEBER, HERBERT, Assistant in Physical Education for Men,  $\frac{1}{2}$  time, and Research Assistant in Physical Education for Men,  $\frac{1}{2}$  time, April 1-June 15, 1964, \$1,166.66, supersedes; and Research Assistant in Physical Education for Men, full time, two months from June 16, 1964, \$933.32 (4-20-64).
- WEBSTER, FRANCIS H., Research Assistant in Food Science (S), three months from June 1, 1964, \$1,300.02, supersedes (3-24-64).
- WHEATLEY, ROBERT C., Visiting Lecturer in Physics, Summer Session of 1964, June 15-August 8, 1964, \$2,100 for the period (4-21-64).
- WICKS, EUGENE C., Adviser for preregistration of entering freshmen in Art,  $\frac{1}{4}$  time, June 16-August 4, 1964, \$600; this is in addition to his present appointment as Assistant Professor of Art (3-20-64).
- WILLIAMSON, HAROLD, JR., Instructor in Economics, academic year 1964-65, \$9,200 (4-20-64).
- WILSON, MRS. ELEANORE, Project Assistant in the State Natural History Survey and in the Graduate College, three months from April 1, 1964, \$900 (4-17-64).
- WILSON, VELMA K., Adviser for preregistration of entering freshmen in Music, 17/100 time, June 16-August 4, 1964, \$410; this is in addition to her present appointment (3-20-64).
- WOLTER, JANET M., Clinical Assistant Professor of Preventive Medicine, College of Medicine, five months from April 1, 1964, without salary (4-1-64).

#### FELLOWS

(The following appointments were made by the President of the University.)

CHAPMAN, HENRY S., Edward L. Ryerson Traveling Fellow in Architecture for 1964-65.

KEUNE, RUSSELL V., Forty-first Francis J. Plym Fellow in Architecture for 1964-65.

MOYER, FREDERIC D., Thirtieth Francis J. Plym Fellow in Architectural Engineering for 1964.

THOMSEN, CHARLES H., Edward L. Ryerson Traveling Fellow in Landscape Architecture for 1964-65.

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

ALLEN CHRISTOPHER M., Fellow in Civil Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).

ANDERSON, CHARLES A., Teaching Fellow in Music, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).

ANDERSON, DEAN F., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).

ANDERSON, FLOYD D., Fellow in Speech, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).

ANDERSON, WILLIAM D., Fellow in Political Science, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).

ANDREWS, ALAN, Fellow in Communications, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-24-64).

ARMSTRONG, ROBERT J., Hackett Fellow in Horticulture, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).

AUTEN, LAWRENCE J., Knox College Fellow in History, nine months from September 16, 1964, \$1,500 (4-1-64).

BAKER, LEROY E., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, \$2,400 (4-1-64).

BANISTER, ERIC W., Fellow in Physical Education, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).

BARNETT, LELAND B., Teaching Fellow in Zoology, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).

BEHAN, DONALD F., Continental Oil Fellow in Mathematics, nine months from September 16, 1964, \$2,200 (4-22-64).

BELDEN, CARL R., Fellow in Landscape Architecture, nine months from September 16, 1964, \$1,800 (4-1-64).

BELL, HAROLD L., James W. Garner Fellow in Political Science, nine months from September 16, 1964, \$2,000 (4-1-64).

BERGMANN, GERALD E., National Science Foundation Trainee II in Aeronautical and Astronautical Engineering, one year from September 1, 1964, \$5,600 (4-1-64).

BERNETT, WILLIAM A., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1964, \$500 (4-1-64).

BILSON, MALCOLM, Teaching Fellow in Music, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).

BOLLES, THEODORE F., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1964, \$500 (4-1-64).

BORNHOFEN, JOHN O., Fellow in Economics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).

BOWERS, MICHAEL T., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1964, \$500 (4-1-64).

BRADFORD, LYLE L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,310 (4-17-64).

BRASTED, LEE K., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, \$2,400 (4-1-64).

BREMER, NOLAN R., H. W. Wilson Fellow in Library Science, nine months from September 16, 1964, \$1,000 (4-1-64).

BREMSER, ALBERT H., National Lead Company (Titanium Division) Fellow in Ceramic Engineering, nine months from September 16, 1964, \$1,650 (4-1-64).

BROCKSTEIN, ALLAN J., Fellow in Electrical Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).

BROMELS, EDWARD, Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).

BROMLEY, ROGER, Fellow in English, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).

- BROSS, JAMES B., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,310 (4-17-64).
- BROWN, EUGENE F., Fellow in Mechanical Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- BRUNETTE, KONSTANT E., Fellow in Civil Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- BUETTNER, GRACE M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$3,600 (4-17-64).
- BUNGER, MELODY P., Fellow in Creative and Performing Arts (Music), nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- BUTTERWORTH, DOUGLAS S., Fellow in Anthropology, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- BYARS, ROBERT S., Charles E. Merriam Fellow in Political Science, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- CAHILL, MICHAEL E., National Aeronautics and Space Administration Fellow (Trainee) in Astronomy, one year from September 1, 1964, \$2,400 (4-15-64).
- CARLEY, YVONNE F., General Foods Fellow in Home Economics, nine months from September 16, 1964, \$3,000 (3-23-64).
- CARLIN, JAMES W., Fellow in Electrical Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- CARLSON, NEIL R., National Aeronautics and Space Administration Fellow (Trainee) in Psychology, one year from September 1, 1964, \$2,400 (4-20-64).
- CARNS, WILLIAM E., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, \$3,100 (4-1-64).
- CARR, WAYNE E., General Electric Fellow in Physics, nine months from September 16, 1964, \$2,500 (4-1-64).
- CARTER, ORWIN L., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- CASPER, DENNIS J., Fellow in Philosophy, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- CEIDE-ECHEVARRIA, GLORIA, Fellow in Spanish, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- CHACKO, GEORGE K., Wright Fellow in Food Science, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- CHAMOT, DENNIS, Walter B. Brown Teaching Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-1-64).
- CHAPPELL, JOHN S., Fellow in Music, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- CHARTOFF, JOE, Fellow in Accountancy, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- CHERNEY, JOSEPH M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (4-17-64).
- CHUA, LEON O., Fellow in Electrical Engineering, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- CLEM, JOHN R., United States Steel Foundation Fellow in Physics, nine months from September 16, 1964, \$2,100 (4-1-64).
- CLENENEN, R. L., Fellow in Chemical Engineering, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- COLE, ROBERT E., Keio-Illinois Exchange Fellow in Labor and Industrial Relations, seven months from February 1, 1964, \$2,170, supersedes (3-31-64).
- COLLINS, ARNETTA R., Fellow in Social Work, nine months from September 16, 1964, \$1,800 (4-1-64).
- COOK, GERALD W., National Science Foundation Trainee I in Chemical Engineering, one year from September 1, 1964, \$2,400 (4-3-64).
- COULSON, JAMES H., Fellow in Civil Engineering, February 1-June 15, 1965, \$900; and two months from June 16, 1965, \$450 (4-1-64).
- COWELL, MARY J., Fellow in Dance, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- CRAWFORD, DAVID E., Fellow in Music, nine months from September 16, 1964, \$1,800 (4-1-64).



- CRINER, DOUGLAS E., Teaching Fellow in Economics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- DALBEY, MARCIA A., Fellow in English, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- D'ALQUEN, RICHARD J. E., Fellow in German, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450, supersedes (4-23-64).
- DANZIGER, EDMUND J., JR., Fellow in History, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- DAVIS, MARTIN L., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, \$2,400 (4-17-64).
- DEACON, TOM D. E., Teaching Fellow in French, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- DEERING, RICHARD J., Fellow in Economics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- DEES, JEROME S., Teaching Fellow in English, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- DELLER, RICHARD W., Sloan Foundation Fellow in Mechanical and Industrial Engineering, nine months from September 16, 1964, \$2,100 (4-1-64).
- DOLLINGER, MICHAEL B., International Business Machines Fellow in Mathematics, nine months from September 16, 1964, \$1,800 (4-1-64).
- DOLLINS, CHARLES C., National Science Foundation Trainee I in Metallurgy, nine months from September 16, 1964, \$1,800 (4-1-64).
- DOORNINK, DEAN G., National Science Foundation Trainee I in Mechanical Engineering, one year from September 1, 1964, \$3,400 (4-1-64).
- DRAAYER, DONALD R., Fellow in Education, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- DRAKE, GEORGE W. J., Fellow in Music, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- DRURY, ROBERT E., Fellow in Horticulture, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- DRYSDALE, WILLIAM H., National Aeronautics and Space Administration Fellow (Trainee) in Aeronautical and Astronautical Engineering, one year from September 1, 1964, \$2,600 (4-1-64).
- DUNLAP, WILLIAM H., Hackett Teaching Fellow in Agricultural Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- DURAND, DAVID A., Lubrizol Company Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-22-64).
- ECKERT, DONALD D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,310 (4-17-64).
- EDDY, ROBERT R., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$3,600 (4-17-64).
- EDWARDS, RALPH J., Fellow in Agronomy, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- EDWARDS, THOMAS E., National Aeronautics and Space Administration Fellow (Trainee) in Aeronautical Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- EILRICH, GARY L., Fellow in Agronomy, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- ELY, RICHARD W., Fellow in Geology, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- EMERSON, MICHAEL W. C., National Science Foundation Trainee I in Civil Engineering, nine months from September 16, 1964, \$3,300 (4-16-64).
- ERWIN, WILLIAM H., Fellow in Architecture, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- ETTER, WILLIAM C., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, \$2,900 (4-22-64).
- FABIJANIC, PAUL M., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- FAILON, KEITH A., Teaching Fellow in Mathematics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- FEENEY, JAMES W., Fellow in Sociology, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).

- FERRELL, RAY E., JR., National Lead (Baroid Division) Fellow in Geology, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$375 (4-1-64).
- FERRIS, ROBERT F., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- FLAATE, KAARE S., Fellow in Civil Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- FORBES, DELROY J., Fellow in Civil Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- FOURNEY, WILLIAM L., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- FRADIN, FRANK Y., J. F. Ervin Foundation Fellow in Metallurgy, nine months from September 16, 1964, \$2,400 (4-9-64).
- FRANKLIN, MICHAEL L., Roger Adams Teaching Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-1-64).
- FREUND, LAMBERT B., National Science Foundation Trainee I in Theoretical and Applied Mechanics, one year from September 1, 1964, \$2,400 (4-1-64).
- FRIEDMAN, EUGENE F., United States Public Health Service Predoctoral Fellow in Chemistry, one year from March 1, 1964, \$2,000 (3-24-64).
- FROST, STANLEY H., Shell Company Foundation Fellow in Geology, nine months from September 16, 1964, \$2,000 (4-6-64).
- FRYMAN, RICHARD F., Fellow in Economics, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- GALLAGHER, JOSEPH P., National Science Foundation Trainee I in Theoretical and Applied Mechanics, one year from September 1, 1964, \$2,400 (4-1-64).
- GANO, JAMES E., Eli Lilly and Company Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-22-64).
- GARDNER, GENE M., Katherine L. Sharp Fellow in Library Science, nine months from September 16, 1964, \$500 (4-1-64).
- GARRETT, MICHAEL B., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- GEHARDT, SUE P., Fellow in Art, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- GEHLBACH, MRS. SALLY J., General Foods Fellow in Home Economics, nine months from September 16, 1964, \$2,000 (4-1-64).
- GEISLER, PAMELA A., Fellow in Astronomy, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- GERBER, HOMER C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,170 (4-17-64).
- GETZ, BENETTE, Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- GIBSON, WILLIAM R., Fellow in Animal Science, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- GIVENS, ROGER W., Fellow in Physics, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- GOODING, FREDERIC, JR., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (4-17-64).
- GOODWIN, WILLIAM A., Fellow in Nuclear Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- GORDON, DONALD J., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- GORDON, MICHAEL D., Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-1-64).
- GORE, ERNEST S., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- GREENAWAY, WILLIAM K., Bradley University Fellow in Sociology, nine months from September 16, 1964, \$1,800 (4-1-64).
- GUESS, SUAN, Illinois Wesleyan University Fellow in Art, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-10-64).
- GUPTA, JOGINDAR P., Fellow in the Creative and Performing Arts (Architecture), nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).

- GUSTAFSON, WILLIAM C., National Science Foundation Trainee II in Civil Engineering, one year from September 1, 1964, \$2,600 (4-1-64).
- HAFLEY, NORMAN C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,170 (4-17-64).
- HALL, LELAND E., Kendric C. Babcock Fellow in Political Science, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- HALL, MARION A., Fellow in Music, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- HALL, RICHARD S., Teaching Fellow in Mathematics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- HALVERSON, ROY K., Teaching Fellow in Communications, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- HAMMEL, ARNOLD D., Fellow in Mathematics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- HANFT, RAYMOND W., General Atomic Dynamics Fellow in Physics, nine months from September 16, 1964, \$2,400 (4-1-64).
- HANNULA, THOMAS A., National Aeronautics and Space Administration Fellow (Trainee) in Mathematics, one year from September 1, 1964, \$3,200 (4-1-64).
- HARPER, HARRIET L., Fellow in Creative and Performing Arts (Speech), nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- HARTWELL, GEORGE E., JR., Dow Chemical Company Fellow in Chemistry, nine months from September 16, 1964, \$1,900 (4-22-64).
- HASKELL, WILLIAM L., Fellow in Physical Education, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- HAUCK, RICHARD B., Teaching Fellow in English, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- HAUER, WILLIAM R., Fellow in English, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- HAWKINS, PATRICIA J., Fellow in Creative and Performing Arts (Music), nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- HAY, ARTHUR J., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- HAYNIE, RICHARD L., Teaching Fellow in French, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- HEATH, CHRISTOPHER P., Fellow in Geology, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- HECHT, ROBERT J., Union Carbide Corporation Fellow in Physics, nine months from September 16, 1964, \$2,100 (4-1-64).
- HEGGAN, JON P., Therese Garner Fellow in Political Science, nine months from September 16, 1964, \$2,000 (4-1-64).
- HENRY, ARTHUR C., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- HERCEG, JOSEPH E., National Aeronautics and Space Administration Fellow (Trainee) in Nuclear Engineering, one year from September 1, 1964, \$2,600 (4-1-64).
- HERNER, JAMES P., National Aeronautics and Space Administration Fellow (Trainee) in Electrical Engineering, one year from September 1, 1964, \$2,600 (4-1-64).
- HERSHBERGER, LOTUS D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,170 (4-17-64).
- HEUSSMAN, JOHN W., Fellow in Library Science, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- HILL, ROBERTA B., United States Public Health Postdoctoral Fellow in Animal Science, six months from March 1, 1964, \$3,400.02 (3-18-64).
- HITE, GERALD E., Fellow in Physics, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- HOBIN, TERRENCE J., Fellow in Mathematics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- HOFFMAN, MARTIN R., National Aeronautics and Space Administration Fellow (Trainee) in Mathematics, one year from September 1, 1964, \$2,600 (4-1-64).

- HOLT, CLARENCE M., JR., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- HORNYIK, KARL, Fellow in Nuclear Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- HOUCHEMS, ALBERT F., Fellow in Mechanical Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- HOYT, RONNIE A., National Science Foundation Trainee II in Electrical Engineering, nine months from September 16, 1964, \$1,950 (4-6-64).
- HSIA, KELLY YU, Fellow in Electrical Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- HUNTER, WILLIAM R., Fellow in Physics, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- ISSA, AHMAD DAUOD MOHAMMAD, Fellow in Finance, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- IVERSON, SHIRLEY L., Fellow in Russian, nine months from September 16, 1964, \$2,200 (4-1-64).
- JANZOW, EDWARD F., National Science Foundation Trainee II in Nuclear Engineering, one year from September 1, 1964, \$2,600 (4-1-64).
- JEFFERS, WILLIAM Q., National Science Foundation Trainee II in Electrical Engineering, one year from September 1, 1964, \$2,600 (4-1-64).
- JOHNSON, CHARLES W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,170 (4-17-64).
- JOHNSON, MILO R., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, \$2,900 (4-10-64).
- JOHNSON, RICHARD T., Teaching Fellow in Physics, nine months from September 16, 1964, \$2,000; and two months from June 16, 1964, \$500 (4-1-64).
- JOHS, HILBERT, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,170 (4-17-64).
- JONES, GWEN E., Fellow in Music, nine months from September 16, 1964, \$2,200 (4-1-64).
- JONES, JANICE E., Fellow in Geography, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- JONES, KENNETH A., National Science Foundation Trainee II in Metallurgy, one year from September 1, 1964, \$2,600 (4-1-64).
- JONES, MACK H., John A. Fairlie Fellow in Political Science, nine months from September 16, 1964, \$2,000; and two months from June 16, 1964, \$500 (4-1-64).
- JONES, ROBERT H., Postdoctoral Fellow in Economics, two months from June 16, 1964, \$2,900 (4-10-64).
- JORDAN, JAMES W., Fellow in Art, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- JORGENSEN, PAUL C., North Central College Teaching Fellow in Mathematics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- KALINOWSKI, JOSEPH J., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, \$2,400 (4-3-64).
- KELLOGG, ROSALIND W., Fellow in Anthropology, nine months from September 16, 1964, \$1,800 (4-1-64).
- KEMPLE, MARVIN D., Fellow in Physics, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- KILLBY, VIRGINIA A. A., Fellow in Zoology, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- KILLPATRICK, ALLEN, Millikin University Fellow in Physics, nine months from September 16, 1964, \$1,500 (4-1-64).
- KIM, THOMAS J., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- KIRBY, ALBERT C., National Aeronautics and Space Administration Fellow (Trainee) in Physiology, one year from September 1, 1964, \$3,200 (4-1-64).
- KIRSCH, WILLIAM J., Kendric C. Babcock Fellow in Political Science, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- KLOT, STEVEN E., Fellow in Political Science, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- KOOB, JOHN D., Fellow in Botany, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).

- KOSTELNICEK, RICHARD J., Fellow in Electrical Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- KRANTZ, PAUL G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- KREIDER, STANLEY, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,310 (4-17-64).
- KRYSAN, JAMES L., Fellow in Entomology, nine months from September 16, 1964, \$2,200 (4-1-64).
- KUEHL, JEAN A., Fellow in Biology, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- KUYPERS, DAVID S., Teaching Fellow in Psychology, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- LABER, DOUGLAS, Pittsburgh Plate Glass Company Fellow in Ceramic Engineering, nine months from September 16, 1964, \$1,800 (4-1-64).
- LAGERQUIST, DENNIS R., National Aeronautics and Space Administration Fellow (Trainee) in Civil Engineering, one year from September 1, 1964, \$3,200 (4-1-64).
- LANGNER, ERNEST H., Fellow in Dairy Technology, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- LARSON, MYRA J., Fellow in Zoology, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- LEBECK, ALAN O., Teaching Fellow in Mechanical Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- LEE, PETER SHU-TI, Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1964, \$500 (4-1-64).
- LEIR, CHARLES M., Sinclair Refining Company Fellow in Chemistry, nine months from September 16, 1964, \$1,800 (4-22-64).
- LEMAY, HAROLD E., JR., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- LENDRUM, LESTER M., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- LENKSZUS, FRANK R., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- LEVEY, JAMES R., Fellow in Civil Engineering, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- LILIENTHAL, PAUL A., National Aeronautics and Space Administration Fellow (Trainee) in Theoretical and Applied Mechanics, one year from September 1, 1964, \$2,400 (4-17-64).
- LLOYD, JOHN P., National Science Foundation Trainee I in Agricultural Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- LOFGREN, ALICE L., Fellow in French, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- LOKEN, JULIE L., Fellow in Social Work, nine months from September 16, 1964, \$1,800 (4-1-64).
- LOSEE, DAVID L., National Aeronautics and Space Administration Fellow (Trainee) in Physics, one year from September 1, 1964, \$3,200 (4-1-64).
- LOYD, LAYMOND B., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (4-17-64).
- LUCAS, KENNETH R., C. S. Marvel Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-22-64).
- LUESCHEN, WILLIAM E., Hackett Fellow in Agronomy, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- LUNDE, KAREN A., Teaching Fellow in French, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- LUSTIG, JEREMY, Teaching Fellow in Music, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- MACDOUGALL, CAROLYN S., Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-1-64).
- MADDOX, JOSEPH V., Fellow in Entomology, nine months from September 16, 1964, \$1,800 (4-1-64).
- MARKHAM, DOUGLAS D., Teaching Fellow in German, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).

- MATZ, CHARLES F., Fellow in Botany, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- MAYBERRY, JOHN P., Fellow in Mathematics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- MCARTHUR, CAROLYN M., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1964, \$500 (4-1-64).
- MCCORMICK, JAMES L., Fellow in Chemical Engineering, September 16, 1964-January 31, 1965, \$1,000; and two months from June 16, 1964, \$500 (4-1-64).
- MCDONALD, ROBERT A., Fellow in Art, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- MCGLAMERY, MARSHAL D., Fellow in Agronomy, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- MECH, WILLIAM P., Fellow in Mathematics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- MEDROW, ROBERT A., National Science Foundation Trainee II in Mechanical Engineering, nine months from September 16, 1964, \$2,325 (4-9-64).
- MEEK, CHARLES C., National Science Foundation Trainee I in Nuclear Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- MEINECKE, FRED K., Fellow in Linguistics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- MESSER, WAYNE R., Robert F. Carr Teaching Fellow in Chemistry, February 1-June 15, 1965, \$1,000 (4-1-64).
- MICHAEL, FREDERICK W., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- MIESEL, JOHN L., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- MILLER, RONALD E., National Science Foundation Trainee I in Metallurgy, one year from September 1, 1964, \$2,900 (4-9-64).
- MILLIGAN, DAVID V., National Aeronautics and Space Administration Fellow (Trainee) in Chemistry, one year from September 1, 1964, \$3,400 (4-1-64).
- MISHKIN, DAVID J., Lilly Endowment Fellow in Economics, one year from June 16, 1964, \$2,500 (4-1-64).
- MITCHELL, JAMES E., Fellow in Chemical Engineering, September 16, 1964-January 31, 1965, \$1,000; and two months from June 16, 1964, \$500 (4-1-64).
- MONAHAN, MAURICE L., Fellow in Mathematics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- MORLEY, LARRY J., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (4-17-64).
- MRSTIK, VINCENT, JR., Fellow in Electrical Engineering, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- MUSLINER, WALTER J., Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-1-64).
- MUU, LE TRONG, Fellow in Electrical Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- MYERS, SHARON L., Fellow in Education, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- NANZETTA, PHILIP N., Fellow in Mathematics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- NEUFELD, V. ALFRED, Teaching Fellow in English, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- NIEVERGELT, JURG, Fellow in Mathematics, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- NING, ROBERT Y., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1964, \$500 (4-1-64).
- NISS, JAMES F., Fellow in Economics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- NUNNALLY, NELSON R., Fellow in Geography, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- O'BLOCK, FRANCIS R., United States Office of Education Fellow (Trainee) in Education, one year from February 1, 1964, \$2,400 (3-20-64).
- O'BRIEN, TIMOTHY J., Fellow in Agronomy, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).

- OISHI, ROY K., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- OSTRANDER, LINDA W., Teaching Fellow in Music, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- OTTAWAY, MARK C. C., Fellow in Journalism, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- OVERBY, LACY R., Postdoctoral Fellow (Trainee) in Microbiology, six months from March 1, 1964, \$1,200 (4-7-64).
- OWEN, AUDREY M., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- OZANNE, JERRY M., National Science Foundation Trainee I in Theoretical and Applied Mechanics, one year from September 1, 1964, \$2,400 (4-1-64).
- PALEN, JOSEPH W., Shell Company Foundation Fellow in Chemical Engineering, eleven months from September 16, 1964, \$3,200 (4-1-64).
- PATTENGILL, MERLE D., Walter Brown Teaching Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-7-64).
- PATTERSON, GARRY J., National Aeronautics and Space Administration Fellow (Trainee) in Civil Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- PATTON, FRANKLIN D., Fellow in Geology, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- PAULSON, GARY C., National Science Foundation Trainee II in Ceramic Engineering, one year from September 1, 1964, \$4,600 (4-1-64).
- PERSHING, ROSCOE L., Teaching Fellow in Agricultural Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- PETERSON, SALLY J., Fellow in Speech, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- PHILLIPS, JACK L., Monmouth College Fellow in Physics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- PHILLIPS, ROBERT D., Teaching Fellow in Classics, nine months from September 16, 1964; and two months from June 16, 1965, \$450 (4-1-64).
- PIERDOS, THEODORA, Fellow in History, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- PIFER, JOE H., Eastman Kodak Fellow in Physics, nine months from September 16, 1964, \$2,400 (4-1-64).
- PLATANITIS, ALEXANDER G., General Electric Fellow in Electrical Engineering, nine months from September 16, 1964, \$2,500 (4-1-64).
- PLECK, MICHAEL H., National Science Foundation Trainee I in Mechanical Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- PLEVAN, ROBERT E., Fellow in Chemical Engineering, September 16, 1964-January 31, 1965, \$1,000; and two months from June 16, 1964, \$500 (4-1-64).
- POCHAN, JOHN M., Walter B. Brown Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-1-64).
- PODBELSEK, ALLAN R., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,170 (4-17-64).
- PUCKETT, REGINALD T., Allied Chemical Corporation Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-22-64).
- PURCELL, KEITH F., Gillette-Toni Fellow in Chemistry, nine months from September 16, 1964, \$2,500 (4-22-64).
- QUIRK, RODERIC P., Union Carbide Chemical Corporation Fellow in Chemistry, nine months from September 16, 1964, \$2,100 (4-22-64).
- RACSTER, RONALD L., Fellow in Finance, nine months from September 16, 1964, \$2,200; and two months from June 16, 1964, \$500 (4-1-64).
- RAJA, K. G. VARMA, Fellow in Animal Science, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- RAYL, MARTIN, Fellow in Physics, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- RAZ, AMIRAM, Teaching Fellow in Food Science, nine months from September 16, 1964, \$1,950; and two months from June 16, 1965, \$500 (4-1-64).
- RICH, DANIEL L., Fellow in Civil Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).

- RICHARDSON, JUDITH E., Wright Fellow in Home Economics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- RICHARDSON, RAYMOND E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (4-17-64).
- RINGENBERG, RICHARD R., National Aeronautics and Space Administration Fellow (Trainee) in Mathematics, one year from September 1, 1964, \$2,400 (4-23-64).
- ROBERTS, CHARLES E., JR., National Aeronautics and Space Administration Fellow (Trainee) in Mathematics, one year from September 1, 1964, \$3,000 (4-20-64).
- ROBERTSON, C. WARREN, Shubert Fellow in Playwriting (Speech and Theatre), nine months from September 16, 1964, \$2,500 (4-14-64).
- ROKUS, JOSEF W., National Science Foundation Trainee I in Electrical Engineering, nine months from September 16, 1964, \$1,800 (4-1-64).
- ROLEY, PAUL L., Kendric C. Babcock Fellow in History, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- ROOT, RONALD B., National Science Foundation Trainee I in Chemical Engineering, one year from September 1, 1964, \$2,400 (4-10-64).
- ROSENTHAL, MICHAEL R., Socony-Mobil Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-22-64).
- ROTH, KENNETH R., National Science Foundation Trainee I in Aeronautical and Astronautical Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- RUBIN, DAVID L., Teaching Fellow in French, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- SAAM, WILLIAM F., National Aeronautics and Space Administration Fellow (Trainee) in Physics, one year from September 1, 1964, \$3,400 (4-13-64).
- SABACKY, MILTON J., Rohm and Haas Fellow in Chemistry, nine months from September 16, 1964, \$1,900 (4-22-64).
- SAFIUDDIN, MOHAMMED, Fellow in Electrical Engineering, nine months from September 16, 1964, \$1,800 (4-1-64).
- SCHAEJBE, FREDERICK W., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- SCHOENBECK, FRANKLYN C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$3,600 (4-17-64).
- SCHWARTZ, PAUL M., National Aeronautics and Space Administration Fellow (Trainee) in Physics, one year from September 1, 1964, \$2,400 (4-1-64).
- SEINFELD, MERI, Fellow in Spanish, nine months from September 16, 1964, \$1,800 (4-1-64).
- SELL, MAURICE G., JR., Procter and Gamble Company Summer Fellow in Chemical Engineering, two months from June 16, 1964, \$400 (3-16-64).
- SESTIERI, VALERIA, Teaching Fellow in Italian, nine months from September 16, 1964, \$2,200; and two months from June 16, 1964, \$500 (4-1-64).
- SHALEK, PETER D., Teaching Fellow in Ceramic Engineering, September 16, 1964-January 31, 1965, \$900 (4-1-64).
- SHARPE, THOMAS R., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1964, \$500 (4-1-64).
- SHIREY, RICHARD N., Fellow in Music, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- SHOEB, NAGWA K., Fellow in English, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- SHUCARD, STEPHEN C., Teaching Fellow in Classics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-17-64).
- SIDDIQUI, ISLAM A., Wright Fellow in Plant Pathology, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-9-64).
- SINCLAIR, KENNETH E., Fellow in Education, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- SINDERMAN, BERNARD M., National Aeronautics and Space Administration Fellow (Trainee) in Aeronautical and Astronautical Engineering, one year from September 1, 1964, \$2,400 (4-15-64).
- SKIERSKI, THEODORE C., National Science Foundation Trainee I in Mechanical Engineering, one year from September 1, 1964, \$3,400 (4-1-64).
- SMASHEY, JOHN L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (4-17-64).



- SMILEY, MARILYNN J., Fellow in Music, two months from June 16, 1964, \$450 (4-1-64).
- SMITH, ALLAN J., Fellow in Urban Planning, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- SMITH, EDWARD D., National Aeronautics and Space Administration Fellow (Trainee) in Mechanical Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- SMITH, GEORGE H., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$3,600 (4-17-64).
- SO, KAM-CHUEN, Fellow in Electrical Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- SOLOMON, DIANE, Fellow in Spanish, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- SPENCLEY, KENNETH, Fellow in English, nine months from September 16, 1964, \$2,200; and two months from June 16, 1964, \$500 (4-1-64).
- SPINOSA, FRANK, Teaching Fellow in Music, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- STEELE, DAVID L., Fellow in Physics, nine months from September 16, 1964, \$2,200 (4-1-64).
- STEINER, WILLIAM G., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- STONE, ROBERT G., Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-1-64).
- STORCH, KAY E., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1964, \$2,666.66 (4-1-64).
- STURGUL, JOHN R., National Science Foundation Trainee II in Mining Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- SWANSON, JOEL L., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, \$2,400 (4-17-64).
- SWETMAN, GRAHAM D., Fellow in Business Administration, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- SZENTKIRALYI, ANDRAS, Fellow in Creative and Performing Arts (Music), nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- SZURSZEWSKI, JOSEPH H., Fellow in Physiology, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- TAKIZAWA, BILL H., Teaching Fellow in Geography, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- TASCH, ALOYSIOUS F., National Aeronautics and Space Administration Fellow (Trainee) in Physics, one year from September 1, 1964, \$2,600 (4-1-64).
- TETZ, GUENTHER, Fellow in Creative and Performing Arts (Art), nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- THODEY, ALAN R., Wright Fellow in Agricultural Economics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- THOMAS, CHARLES G., Fellow in Mathematics, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- TILLING, JAMES R., Charles E. Merriam Fellow in Political Science, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-10-64).
- TOWER, ROGER E., National Science Foundation Trainee I in Chemical Engineering, nine months from September 16, 1964, \$1,800 (4-1-64).
- TRACEY, ROBERT J., Paul V. Galvin Fellow in Electrical Engineering, nine months from September 16, 1964, \$2,500 (4-1-64).
- TRAVERS, KENNETH J., Fellow in Education, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- TREPTOW, RICHARD S., August Kochs Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-22-64).
- TRUITT, CATHERINE C., Fellow in Mathematics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- UNLAND, MARK L., Sun Oil Company Fellow in Chemistry, nine months from September 16, 1964, \$2,400; and two months from June 16, 1965, \$500 (4-22-64).

- VANDER HART, DAVID L., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1964, \$500 (4-1-64).
- VAN DER NAALD, ANJE, Fellow in Spanish, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- VAN DER VOORN, PETER C., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500 (4-1-64).
- VEDDER, RICHARD K., Fellow in Economics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- VESELY, WILLIAM E., JR., National Aeronautics and Space Administration Fellow (Trainee) in Nuclear Engineering, one year from September 1, 1964, \$2,400 (4-1-64).
- VOGENTHALER, JOHN L., Fellow in History, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- VOLD, BARBARA S., Fellow in Botany, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- WAINED, DOUGLAS K., Fellow in Electrical Engineering, nine months from September 16, 1964, \$1,800 (4-1-64).
- WALLACE, LINDA, Wheaton College Fellow in English, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- WANTLAND, LARRY R., Hackett Fellow in Food Science, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (4-1-64).
- WARD, WILLIAM J., III, Fellow in Chemical Engineering, September 16, 1964-January 31, 1965, \$1,000 (4-1-64).
- WEDEKIND, GILBERT L., National Science Foundation Trainee III in Mechanical Engineering, one year from September 1, 1964, \$3,300 (4-21-64).
- WEIKEL, MARY A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$3,600 (4-17-64).
- WERNER, RONALD A., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, \$2,400 (4-3-64).
- WICKERSHEIM, ROBERT D., National Science Foundation Trainee I in Electrical Engineering, nine months from September 16, 1964, \$1,800 (4-7-64).
- WILSON, THOMAS D., James W. Garner Fellow in Political Science, nine months from September 16, 1964, \$2,000 (4-1-64).
- WILTON, DONALD R., National Science Foundation Trainee I in Electrical Engineering, nine months from September 16, 1964, \$1,800 (4-9-64).
- WINANS, ROGER M., Teaching Fellow in Economics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- WOLLMAN, JACK B., Fellow in Accountancy, nine months from September 16, 1964, \$1,800 (4-1-64).
- WRIGHT, GARY N., National Science Foundation Trainee I in Nuclear Engineering, one year from September 1, 1964, \$2,400 (4-17-64).
- WU, SHU-YAU, Fellow in Electrical Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-1-64).
- YARFMA, RAYMOND J., National Science Foundation Trainee I in Electrical Engineering, nine months from September 16, 1964, \$1,800 (4-3-64).
- YOUNG, DONALD E., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, \$2,400 (4-16-64).
- ZARGHAMEE, MEHDI S., Fellow in Civil Engineering, nine months from September 16, 1964, \$1,800; and two months from June 16, 1964, \$450 (4-1-64).
- ZEMANEK, JANICE R., Fellow in Mathematics, nine months from September 16, 1964, \$2,000; and two months from June 16, 1964, \$450 (4-1-64).
- ZUMDAHL, STEVEN S., Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1964, \$500 (4-1-64).

#### RESIGNATIONS, DECLINATIONS, AND TERMINATIONS

- BARTRAM, HARLAN G., Assistant Professor of Mathematics, Summer Session of 1964—declination effective June 15, 1964; and Assistant Professor of Mathematics—resignation effective September 1, 1964.
- BAUMAN, PHILIP A., Assistant Professor of Electrical Engineering, Summer Session of 1964—declination effective June 15, 1964.
- BERGERON, RICHARD T., Instructor in Radiology, College of Medicine—resignation effective June 1, 1964.
- BLEVINS, MRS. MARCIA C., Assistant Reference Librarian with rank of Instructor—resignation effective September 1, 1964.

- BROUSSARD, LOUIS, Assistant Professor of English, Chicago Undergraduate Division, Summer Session of 1964—declination effective June 19, 1964.
- CAMPBELL, MARILYN, Instructor in Audiology, College of Medicine—resignation effective May 1, 1964.
- CASTEN, SABINE, Instructor in Chemistry, Chicago Undergraduate Division, Summer Session of 1964—declination effective June 19, 1964.
- COX, GEORGE, Research Associate in Biological Chemistry, College of Medicine—termination effective February 1, 1964.
- CULLEN, F. PATRICIA, Instructor in Physical Education for Women—resignation effective September 1, 1964.
- D'ALQUEN, RICHARD J. E., Assistant in Germanic Languages and Literatures, Summer Session of 1964—resignation effective June 15, 1964.
- DRYSDALE, WILLIAM H., National Aeronautics and Space Administration Fellow in Aeronautical and Astronautical Engineering—resignation effective June 1, 1964.
- DUCKWORTH, PAUL E., Fellow in Accountancy—resignation effective June 16, 1964.
- FITZGERALD, JAMES E., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science—resignation effective April 1, 1964.
- FLOOD, KENNETH U., Associate Professor of Business Administration—resignation effective September 1, 1964.
- GHOLSON, CHARLES A., Assistant in Soil Fertility—resignation effective April 28, 1964.
- GREENBERG, MICHAEL J., Assistant Professor of Zoology—resignation effective September 1, 1964.
- HANDLER, JOEL F., Assistant Professor of Law—resignation effective September 1, 1964.
- HARPRING, LINDA, United States Public Health Service Fellow (Trainee) in Chemistry—resignation effective September 16, 1963.
- HAWKLAND, WILLIAM D., Professor of Law—resignation effective September 1, 1964.
- HUTCHINSON, JOHN W., Associate Professor of Civil Engineering—resignation effective September 1, 1964.
- JEWETT, ROBERT A., Associate Professor of General Engineering, Summer Session of 1964—resignation effective June 15, 1964.
- KING, IVAN R., Associate Professor of Astronomy—resignation effective September 1, 1964.
- KOKKEDEE, JACOBUS JEAN JACQUES, Research Associate in Physics—resignation effective April 19, 1964.
- LINDSEY, JOHN M., Assistant Law Librarian with rank of Instructor—resignation effective September 1, 1964.
- LIPMAN, VIVIAN C., Assistant Professor of Psychology, Chicago Undergraduate Division, Summer Session of 1964—declination effective June 19, 1964.
- MARTIN, DEAN F., Assistant Professor of Inorganic Chemistry—resignation effective September 1, 1964.
- MCCAFFREY, LAWRENCE J., Associate Professor of History in the Division of General Studies—resignation effective September 1, 1964.
- MELOY, CARL R., Professor of Chemistry, Chicago Undergraduate Division, Summer Session of 1964—resignation effective June 19, 1964.
- MILLER, ROBERT A., Research Associate in Horticulture—resignation effective May 16, 1964.
- MISCHKE, RICHARD E., National Science Foundation Cooperative Fellow in Physics—resignation effective June 1, 1964.
- MOYER, JAMES E., Associate Professor of Advertising, Summer Session of 1964—declination effective June 15, 1964.
- NASH, WILLIAM V., Bookstacks Librarian with rank of Instructor—resignation effective June 1, 1964.
- NEUMANN, ALVIN L., Professor of Animal Science—resignation effective July 1, 1964.
- NISHIDA, MRS. SAKIKO, Research Assistant in Nutritional Biochemistry—resignation effective June 1, 1964.

- O'CONNOR, BRIAN R., National Science Foundation Graduate Fellow in Chemistry — resignation effective April 16, 1964.
- PAIK, CHEI-MIN, Assistant Professor of Business Administration — resignation effective September 1, 1964.
- PALUDAN, MARSHA M., Teaching Fellow in Dance — resignation effective June 16, 1964.
- PARNAS, MRS. HANNA G., Research Assistant in Microbiology — resignation effective May 1, 1964.
- PELTASON, JACK W., Professor of Political Science and Dean of the College of Liberal Arts and Sciences — resignation effective September 1, 1964.
- PERLMUTTER, DANIEL D., Assistant Professor of Chemical Engineering — resignation effective September 1, 1964.
- RESEK, ROBERT W., Assistant Professor of Economics, Summer Session of 1964 — declination effective June 15, 1964.
- ROBERTS, DONALD M., Associate Professor of Economics, College of Commerce and Business Administration, and of Mathematics, College of Liberal Arts and Sciences — resignation effective September 1, 1964.
- SAGEN, H. BRADLEY, Assistant Director of the Bureau of Institutional Research, Executive Vice-President and Provost's Office; and Assistant Professor of Educational Psychology — resignation effective June 16, 1964.
- SCHAD, CAROL J., Assistant Professor of Occupational Therapy, College of Medicine — resignation effective May 1, 1964.
- SCHLOSSER, ROBERT E., Associate Professor of Accountancy, Summer Session of 1964 — declination effective June 15, 1964.
- SCHMITZ, ROGER A., Fellow in Chemical Engineering — declination effective June 16, 1964.
- SMITH, DALE M., Associate Professor of Botany — resignation effective September 1, 1964.
- TAYLOR, DOUGLAS H., Fellow in Mathematics — resignation effective June 16, 1964.
- TRENSKY, PAUL I., Assistant Professor of Russian — resignation effective September 1, 1964.
- VELETOS, ANESTIS S., Professor of Civil Engineering — resignation effective September 1, 1964.
- WADSWORTH, PHILIP A., Professor of French and Associate Member of Center for Advanced Study — resignation effective September 1, 1964.
- WEBER, GERALD I., Instructor in Economics, Summer Session of 1964 — declination effective June 15, 1964.
- WHITE, JOSEPH J., Assistant in Zoology, Summer Session of 1964 — resignation effective June 15, 1964.
- YAFFE, BERNARD, Clinical Assistant Professor of Dermatology, College of Medicine — resignation effective March 19, 1964.

#### LEAVES OF ABSENCE

- BUTWELL, RICHARD, Associate Professor of Political Science — leave of absence, without pay, for the academic year 1964-65, so that he may serve as a consultant to the Rockefeller Foundation in a new program designed to facilitate the development of outstanding departments in the various social sciences at two key Southeast Asian universities.
- CRAWFORD, ROBERT B., Assistant Professor of History — leave of absence, without pay, for the academic year 1964-65, so that he may accept a Social Science Research Council grant awarded him for study and research.
- DIXON, ROBERT D., Instructor in Mathematics — leave of absence, without pay, for the academic year 1964-65, so that he may accept a position at the Dayton campus of Ohio State University for that period.
- FRITH, DONALD E., Associate Professor of Art — leave of absence, without pay, for the academic year 1964-65, so that he may take advantage of a Danforth Foundation Grant awarded him for advanced study at Alfred University.
- GAMMILL, HOMER L., Professor of Industrial Psychology, Division of University Extension and Institute of Labor and Industrial Relations — relieved of his regular duties on the campus for a five-week period from July 8 to August 15, 1964, to study management development theories and practices in Great Britain.
- KLING, BLAIR B., Assistant Professor of History — leave of absence, without pay, for the academic year 1964-65, so that he may accept a Faculty Research Fellowship from the American Institute of Indian Studies for study abroad.

- LASHER, STIM, Instructor in Mathematics, Chicago Undergraduate Division—leave of absence, without pay, for the academic year 1964-65, so that he may accept a National Science Foundation Fellowship for graduate studies at the University of Chicago.
- MOYER, FREDERIC D., Instructor in Architecture—leave of absence, without pay, for the first semester of 1964-65, so that he may accept an appointment as the Thirtieth Francis J. Plym Fellow in Architectural Engineering.
- NAGEL, STUART S., Assistant Professor of Political Science—change in his leave of absence, without pay, for the academic year 1964-65, to include acceptance of an invitation to be a Senior Specialist at the East-West Center at the University of Hawaii from May 1 through August 31, 1965, in addition to his fellowship at the Center for Advanced Study in the Behavioral Sciences in Palo Alto, California.
- PELTASON, JACK W., Professor of Political Science and Dean of the College of Liberal Arts and Sciences—leave of absence, without pay, for the month of August, 1964.
- PERESSINI, ANTHONY L., Assistant Professor of Mathematics—leave of absence, without pay, for the academic year 1964-65, so that he may accept a position on the mathematics staff at Oregon State University for that period.
- PESAVENTO, MRS. WILMA W., Assistant Professor of Physical Education for Women, Chicago Undergraduate Division—leave of absence, without pay, for the academic year 1964-65.
- REMEIKIS, MRS. NIJOLE, Instructor in Endodontics, Department of Applied Materia Medica and Therapeutics, College of Dentistry—leave of absence, without pay, for two months from June 1, 1964.
- ROHRER, RONALD A., Assistant Professor of Electrical Engineering, Department of Electrical Engineering and Coordinated Science Laboratory—leave of absence, without pay, for one year from September 1, 1964, so that he may accept a National Academy of Sciences-National Research Council Fellowship offered him for study and research at the Polytechnic Institute of Brooklyn.
- SAVAGE, JEROME, Instructor in Art—leave of absence, without pay, for the academic year 1964-65, so that he may accept a Guggenheim Fellowship for study and work in England in his field of art.
- SCHOLOMITI, NICHOLAS C., Assistant Professor of Mathematics, Chicago Undergraduate Division—disability leave of absence, with full pay, for the second semester of the academic year 1963-64.
- SHANK, MAX C., Professor of Biological Sciences, Chicago Undergraduate Division—leave of absence, without pay, for the academic year 1964-65, so that he may accept a Fulbright award for work abroad.
- SPARGO, MRS. GLADYS R., Acquisition Assistant in the Library, Chicago Undergraduate Division—leave of absence, without pay, from June 15 through August 7, 1964, so that she may attend summer school at the University of Illinois in Urbana.
- STREETTER, HARRISON, Instructor in General Engineering, College of Engineering—leave of absence, without pay, for the academic year 1964-65, so that he may do graduate work at the State University of Iowa.
- SWENSON, GEORGE W., Professor of Electrical Engineering, College of Engineering, and Research Professor of Astronomy, College of Liberal Arts and Sciences—leave of absence, without pay, for the academic year 1964-65, so that he may accept an appointment as Visiting Scientist at the National Radio Astronomy Observatory.
- WILLE, JANE, Consultant in Social Work, with rank of Associate Professor—leave of absence, without pay, for two months from July 1, 1964.

#### SABBATICAL LEAVES OF ABSENCE

- CATTELL, RAYMOND B., Research Professor of Psychology—sabbatical leave of absence on full pay changed from the first semester of 1964-65 to January 1 through April 30, 1965, has been approved.
- SCHOLOMITI, NICHOLAS C., Assistant Professor of Mathematics, Chicago Undergraduate Division—sabbatical leave of absence for the second semester of the academic year 1963-64 is hereby cancelled, without prejudice. He will be on disability leave of absence.

**RETIREMENT**

BRAY, ROGER H., Professor of Soil Fertility, Department of Agronomy, College of Agriculture and Agricultural Experiment Station—retirement effective June 1, 1964.

**RECESS AND EXECUTIVE SESSION**

President Clement announced that an executive session has been requested and was being ordered for consideration of property acquisitions.

On motion of Mr. Hughes, the Board recessed.

When the Board reconvened in executive session, the same members, officers of the Board, and officers of the University were present as listed at the beginning of these minutes.

The Board considered the following items of business.

**PURCHASE OF PROPERTY AT 507 EAST JOHN STREET, CHAMPAIGN**

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees request the Illinois Building Authority to purchase for the University the property at 507 East John Street, Champaign, at a price of \$65,000—in accordance with the Illinois Building Authority Act.

The property consists of a lot approximately 66 feet wide by 168.75 feet deep (11,138 square feet) and is improved with a two and one-half story and basement frame rooming house. The land area will be used for parking. Possession will be delivered not later than July 1, 1964.

The price is within appraisals. The Committee on Buildings and Grounds has also recommended the purchase.

I concur.

On motion of Mrs. Watkins, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

**ACQUISITION OF 1306 WEST SPRINGFIELD AVENUE, URBANA**

(2) The Board of Trustees has authorized the acquisition of the property at 1306 West Springfield Avenue, Urbana, which is needed for expansion of the Digital Computer Laboratory. The owner refused to sell at a price within the limits of University appraisals and the Board subsequently authorized condemnation proceedings. Suit was filed in the Circuit Court of Champaign County (Case No. 64-L-30).

The owner has now agreed to sell for an award of \$39,809.27 for the property with the understanding that possession will be delivered to the University on or before June 10, 1964. The settlement price is \$309.27 above the amount previously approved by the Committee on Buildings and Grounds of the Board as a purchase price.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend acceptance of this settlement proposal.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund.

I concur.

On motion of Mr. Swain, this settlement proposal was accepted, and purchase of the property was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

**ACQUISITION OF PROPERTIES AT 605 AND 603  
EAST DANIEL STREET, CHAMPAIGN**

(3) The Board of Trustees has authorized condemnation proceedings for the acquisition of the properties at 605 and 603 East Daniel Street, Champaign, both

owned by the same party. The jury trial for the condemnation of the property at 605 East Daniel Street (Case No. 61-L-175) was set for May 11, 1964; the trial for the acquisition at 603 East Daniel Street (Case No. 63-L-429) had been tentatively scheduled for the week of May 18, 1964.

Immediately prior to selection of the jury for the trial on the 605 East Daniel Street property, the owner indicated willingness to settle both cases for a total award of \$193,000, for the two properties on the following basis:

For the property at 605 East Daniel Street, formerly the Cosmopolitan Club property:

1. The value will be fixed at \$60,000, payable on possession, which will be delivered to the University on or before July 10, 1964.
2. The owner will remove all improvements prior to the specified possession date.
3. The University will afford access for the owner's vehicles over this lot to the rear of the adjoining property at 603 East Daniel Street until the specified possession date of said adjoining property.
4. The University will reserve three parking spaces on this lot to accommodate the vehicles of the owner used in his business until the specified possession date of the adjoining property, but the University will not be responsible for enforcing observance of the reservation of these spaces.

For the property at 603 East Daniel Street, known as "The Thunderbird":

1. The value will be fixed at \$133,000, payable on possession, which will be delivered to the University on or before June 30, 1965.
2. The owner will remove all improvements prior to the specified possession date.

Funds are available in state capital appropriations to the University for 1963-65 from the Universities Building Fund.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend approval of the proposed settlement and I concur.

On motion of Mr. Pogue, the settlement proposed was accepted, and the purchase of the two properties, at the prices indicated, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

#### **PURCHASE OF PROPERTY AT 509 EAST JOHN STREET, CHAMPAIGN**

(4) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees request the Illinois Building Authority to purchase for the University the property at 509 East John Street, Champaign, at a price of \$53,500—in accordance with the provisions of the Illinois Building Authority Act.

The property consists of a lot approximately 58 feet wide by 168.75 feet deep (9,788 square feet) and is improved with a two and one-half story and basement frame rooming house. The land area will be used for parking. Possession will be delivered not later than August 10, 1964.

The price is within appraisals. The Committee on Buildings and Grounds has been consulted and also recommends the purchase.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

On motion of Mrs. Watkins, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**June 17, 1964**



The June meeting of the Board of Trustees of the University of Illinois was held in the Illini Union South, Urbana, Illinois, on Wednesday, June 17, 1964, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Wayne A. Johnston, Mr. Theodore A. Jones, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, and Mr. Kenney E. Williamson. Mr. Irving Dilliard, Mr. Earl M. Hughes, and Governor Otto Kerner were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Earl W. Porter, Assistant to the President, Mr. Shannon McCune, Consultant to the President and to the Executive Vice-President and Provost, Mr. Vernon L. Kretschmer, Director of Auxiliary Services, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary. Dean Russell N. Sullivan of the College of Law was present during a part of the meeting.



**MINUTES APPROVED**

The Secretary presented the supplement to the minutes of the meeting of the Board of Trustees on July 2, 1963, and the minutes of the meetings of the Board of Trustees on September 18, October 26, and November 23, 1963, press proof copies of which have previously been sent to the Board.

On motion of Mr. Swain, these minutes were approved as printed on pages 1 to 411, inclusive, and on pages 745 to 932, inclusive.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**

The Board took up consideration of the following reports and recommendations from the President of the University.

**PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

**ANNUAL OPERATING BUDGET FOR 1964-65**

(1) The complete, itemized, operating budget for 1964-65 covering all divisions of University work, with a condensed analysis and summaries, is submitted for official action.

The budget is for the fiscal year beginning July 1, 1964, for academic and administrative appointments beginning September 1, 1964, and for nonacademic personnel appointments beginning July, 1964. The budget has been prepared by the Executive Vice-President and Provost and the Vice-President and Comptroller in accordance with procedures approved by the President. It is based upon recommendations of the deans, directors, and other administrative officers, and has been reviewed by the President and the University Council. It has also been reviewed by the Finance Committee of the Board.

I recommend that this budget, covering the allocation of the estimated operating income from all sources for the year beginning July 1, 1964, as amended and approved by the Finance Committee, be approved by the Board, and that the President of the University be authorized, in accordance with the needs of the University and the equitable interests involved, and within total income: (a) to accept resignations, (b) to make such additional appointments as are necessary subject to the provisions of the University Statutes and the Policy and Rules Relating to Compensation and Working Conditions of Nonacademic Employees, and (c) to make such changes and adjustments in items included in the budget as are needed, all such changes to be covered in the Vice-President and Comptroller's quarterly financial reports, or in reports to the Board by its Secretary, provided that assignments for new projects or programs and for nonrecurring capital expenditures in excess of \$2,500 shall be presented to the Board for approval.

A copy of the complete budget and of the condensed analysis and summaries had previously been sent to each member of the Board of Trustees.

Mr. Williamson, Chairman of the Finance Committee, reported that the Committee had met on June 16, 1964, and had recommended some changes, and that the budget as now being presented to the Board was amended accordingly. Mr. Clement, Mr. Johnston, Mr. Pogue, and Mrs. Watkins also participated in the meeting of the Committee.

The President of the University, the Executive Vice-President and Provost, and the Vice-President and Comptroller then discussed the budget and the presentation of the policy recommendations as set forth in the condensed analysis and summaries. A copy of this document has been filed with the Secretary of the Board for record.

Following discussion by members of the Board, on motion of Mr. Williamson, the budget was approved, authority was given as requested

in the President's recommendations, and the required appropriations were made, this action being taken by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent Mr. Dilliard, Mr. Hughes, Mr. Kerner.

The complete budget appears as a supplement to these minutes.

#### BUDGET OF THE ATHLETIC ASSOCIATION FOR 1964-65

(2) The Director of Intercollegiate Athletics submits, on behalf of the Board of Directors of the Athletic Association, the budget for the Association for 1964-65 which is summarized as follows with comparative figures for the preceding year:

	1963-64	1964-65
Income.....	\$1 165 535	\$1 297 860
Appropriations .....	1 159 730	1 292 445
Excess of Income.....	5 805	5 415

The budget has been examined and approved by the Executive Vice-President and Provost and the Vice-President and Comptroller.

I recommend that this budget be approved and that the President of the University be authorized to make such changes and adjustments, including approval of new appointments and acceptances of resignations, as are necessary and recommended by the Board of Directors of the Athletic Association within the total income realized.

A copy of the budget is being filed with the Secretary of the Board for record.

On motion of Mr. Swain, this budget was approved.

#### AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(3) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Names</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
ROSARIO BERNARD LAROSE	River Forest, Illinois	District of Columbia
ROBERT NEWMAN	Olivette, Missouri	Missouri
ARTHUR HENRY PETERS	Belleville, Illinois	Missouri
RALPH JOHN SIERRA, JR.	Santurce, Puerto Rico	Puerto Rico

I concur.

On motion of Mrs. Watkins, these certificates were awarded.

#### ADVISORY COUNCIL OF LIBRARIANS

(4) The Dean of Library Administration recommends the following appointments to the Advisory Council of Librarians for terms of three years beginning September 1, 1964.

##### *Public Libraries*

ELEANOR PLAIN, Librarian, Aurora Public Library, Aurora, to succeed Grace W. Gilman, Director, Lincoln Library, Springfield, whose term is expiring.

(The other representative of Public Libraries is William W. Bryan, Librarian, Peoria Public Library, Peoria, whose term will expire in 1965.)

##### *College and University Libraries*

GEORGE M. BAILEY, Executive Secretary, Association of College and Research Libraries, Chicago, to succeed Victoria Hargrave, Librarian, MacMurray College, Jacksonville, whose term is expiring.

(The other representative of College and University Libraries is Dr. Robert D. Hertel, Director of Libraries, Illinois State University at Normal, whose term will expire in 1965.)

*School Libraries*

RACHEL WILKES, Librarian, High School and Junior College, Centralia, to succeed Mrs. Imogene Book, Librarian, High School and Junior College, Mt. Vernon, whose term is expiring.

(The other representative of School Libraries is Eleanor Youngmire, Supervisor, Oak Park Elementary Schools, whose term will expire in 1965.)

*Special Libraries*

LORRAINE CIBOCH, Research Librarian, Teletype Corporation, Skokie, to succeed William S. Budington, Assistant Librarian, John Crerar Library, Chicago, whose term is expiring.

(The other representative of Special Libraries is Agnes C. Henebry, Librarian, *Decatur Herald and Review*, whose term will expire in 1965.)

I concur.

On motion of Mr. Johnston, these appointments were approved.

**APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY**

(5) The Committee on Accountancy recommends the appointment of Elmer Waldo Mauritz of Peat, Marwick, Mitchell, and Company, Certified Public Accountants, Chicago, to the Board of Examiners in Accountancy for a three-year term beginning July 1, 1964, to succeed Mr. Paul F. Johnson, whose term expires June 30, 1964.

I concur.

On motion of Mr. Jones, this appointment was approved.

**APPOINTMENTS TO THE FACULTY**

(6) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. MICHAEL BARR, Assistant Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$8,100.
2. I. DAVID BERG, Assistant Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$8,200.
3. RICHARD E. BLOCK, Associate Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$10,800.
4. VICTOR A. BLOOMFIELD, Assistant Professor of Physical Chemistry, beginning September 1, 1964, at an annual salary of \$8,500.
5. ROBERT C. BOSTON, Assistant Manager of Television Station, one-half time, and Supervisor of Television Services with rank of Instructor, one-half time, at an annual salary of \$11,000.
6. SIDNEY D. BRAUN, Visiting Professor of French, four and one-half months from September 16, 1964, at a salary of \$6,875.
7. DONALD E. CARLSON, Assistant Professor of Theoretical and Applied Mechanics, beginning September 1, 1964, at an annual salary of \$8,100.
8. ROBERT W. CARROLL, Associate Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$11,000.
9. GEORGE A. CHAMBERS, Assistant Professor of Educational Administration and Supervision, beginning September 1, 1964, at an annual salary of \$8,500.
10. JOEN C. CHATO, Associate Professor of Mechanical and Industrial Engineering, beginning September 1, 1964, at an annual salary of \$10,500.
11. NORMAN S. ENDLER, Research Assistant Professor of Psychology, four months from May 1, 1964, at a salary of \$4,300.
12. BETTY GLAD, Assistant Professor of Political Science and Coordinator of Extension in International Affairs, Division of University Extension, beginning September 1, 1964, at an annual salary of \$11,600.
13. GORDON Z. GREENBERG, Assistant Professor of Psychology, beginning September 1, 1964, at an annual salary of \$8,500.
14. ROBERT W. HELLWARTH, Visiting Associate Professor of Physics and of Electrical Engineering, for the academic year 1964-65, at a salary of \$16,000.
15. THEODORE HERSTAND, Assistant Professor of Speech and Theatre, beginning September 1, 1964, at an annual salary of \$8,200.

16. EDWARD F. HESS, JR., Assistant Law Librarian with rank of Assistant Professor, beginning October 1, 1964, at an annual salary of \$8,200.
17. CONRAD A. ISTOCK, Assistant Professor of Zoology, beginning September 1, 1964, at an annual salary of \$8,000.
18. FREDERIC M. JENKINS, Assistant Professor of French, beginning September 1, 1964, at an annual salary of \$8,700.
19. THOMAS C. KING, Chief of Training Section, Office of Research in Medical Education, four-fifths time, and Associate Professor of Surgery, one-fifth time, beginning September 1, 1964, at an annual salary of \$17,500.
20. GUY LAPREVOTTE, Visiting Assistant Professor of French, one year from September 1, 1964, at a salary of \$7,500.
21. NOËLLE LAPREVOTTE, Visiting Assistant Professor of French, one year from September 1, 1964, at a salary of \$7,500.
22. RUDOLPH A. MARCUS, Professor of Physical Chemistry, beginning September 1, 1964, at an annual salary of \$18,000.
23. DONALD LEE MILLER, Assistant Professor of Music, School of Music and Division of University Extension, beginning September 1, 1964, at an annual salary of \$10,000.
24. JOHN MYHILL, Visiting Research Professor of Mathematics, in the Digital Computer Laboratory, Graduate College, for one year from June 16, 1964, at a salary of \$19,000.
25. STANLEY M. NEALEY, Assistant Professor of Psychology, beginning September 1, 1964, at an annual salary of \$8,000.
26. ERNEST T. PARKER, Associate Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$11,000.
27. IAIN C. PAUL, Research Assistant Professor of Physical Chemistry, from May 1, 1964, through June 15, 1964, and from July 16, 1964, through August 31, 1964, at a salary of \$2,834; and beginning September 1, 1964, at an annual salary of \$8,500.
28. THEODORE A. PAYENS, Visiting Professor of Food Science, Agricultural Experiment Station, from December 21, 1964, through June 19, 1965, at an annual salary of \$7,485.
29. WILLIAM H. PIRKLE, Assistant Professor of Organic Chemistry, beginning September 1, 1964, at an annual salary of \$7,800.
30. KENNETH PREISS, Assistant Professor of Civil Engineering and of Nuclear Engineering, beginning September 1, 1964, at an annual salary of \$7,500.
31. JOHN T. RADER III, Assistant Professor of Economics, beginning September 1, 1964, at an annual salary of \$10,750.
32. HEYDAR RADJAVI, Assistant Professor of Mathematics, beginning September 1, 1964, at an annual salary of \$8,300.
33. MINAKSHISUNDARAM RAJAGOPALAN, Visiting Assistant Professor of Mathematics, for the academic year 1964-1965, at a salary of \$8,500.
34. DAVID L. ROSENBERG, Clinical Assistant Professor of Psychiatry, College of Medicine, beginning April 1, 1964, without salary.
35. WALTER K. SCHOENHOLZ, Assistant Professor of Virology, Department of Veterinary Pathology and Hygiene and Center for Zoonoses Research, beginning August 1, 1964, at an annual salary of \$11,000.
36. OTTO EUGENE SCHOEN-RENÉ, Visiting Professor of English, one year from September 1, 1964, at a salary of \$15,000.
37. ROBERT L. SPRAGUE, Research Psychologist in Children's Research Center, and Assistant Professor of Psychology, beginning September 1, 1964, at an annual salary of \$11,000.
38. WILLIAM B. VAN GROENOU, Visiting Assistant Professor of Industrial Administration, for the academic year 1964-1965, at a salary of \$8,000.
39. ROBERT F. WELSH, Assistant Professor of English, beginning September 1, 1964, at an annual salary of \$7,500.
40. ROBERT W. WOODY, Assistant Professor of Physical Chemistry, beginning September 1, 1964, at an annual salary of \$8,100.
41. STANLEY YOUNG, Visiting Associate Professor of Industrial Administration, one year from September 1, 1964, at a salary of \$11,000.

#### **Appointments of Noncitizens to Indefinite Tenure Positions**

The following recommendations for appointments on indefinite tenure of non-

citizens were reviewed by a committee consisting of the Executive Vice-President and Provost, the Acting Dean of the Graduate College, and the dean of the college concerned in accordance with the policy and procedure authorized by the Board of Trustees for consideration of such appointments. The Committee has concurred in the recommendations.

1. JANEZ PEKLENIK, Professor of Mechanical and Industrial Engineering, beginning September 1, 1964, at an annual salary of \$12,650.
2. GEORGE A. SIM, Professor of Physical Chemistry, beginning September 1, 1964, at an annual salary of \$16,000.

On motion of Mr. Pogue, these appointments were confirmed.

#### **DIRECTORSHIP OF THE ILLINOIS HISTORICAL SURVEY**

(7) The Acting Dean of the Graduate College recommends the appointment of Dr. Robert M. Sutton, Professor of History and Associate Dean of the Graduate College, as Director of the Illinois Historical Survey on one-half time, effective September 1, 1964, to succeed Mrs. Marguerite Jenison Pease, who is retiring this year. Professor Sutton will continue as Associate Dean of the Graduate College on one-half time during 1964-65.

His area of specialization is state and local history and in conjunction with his administrative duties, he has continued to teach courses in the history of Illinois and to do research in that area.

The Executive Vice-President and Provost concurs.

I recommend approval.

On motion of Mr. Page, this appointment was approved.

#### **HEADSHIP OF THE DEPARTMENT OF ANIMAL SCIENCE, URBANA**

(8) The Dean of the College of Agriculture and Director of the Agricultural Experiment Station and the Cooperative Extension Service in Agriculture and Home Economics recommends the appointment of Dr. Robert O. Nesheim, presently Manager of the Livestock Feed Research Department of the Quaker Oats Company, as Professor of Animal Science on indefinite tenure and Head of the Department of Animal Science beginning July 15, 1964, at an annual salary of \$19,500 on a twelve months' service basis.

This appointment is to fill the vacancy created by the resignation of Professor O. Burr Ross, who is leaving the University of Illinois to be Vice-President for Agricultural Sciences and Dean of the College of Agriculture at Oklahoma State University.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur in this recommendation.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.

#### **HEADSHIP OF THE DEPARTMENT OF PHYSICAL EDUCATION FOR MEN, URBANA**

(9) The Dean of the College of Physical Education recommends the appointment of Dr. Earle F. Zeigler as Professor on indefinite tenure and Head of the Department of Physical Education for Men beginning September 1, 1964, at an annual salary of \$14,500 on an academic year service basis.

The appointment of Professor Zeigler, presently a member of the faculty, as Head of the Department was initiated by a special search committee.<sup>1</sup> He will succeed Professor Chester O. Jackson, who has been serving as Head of the Department since 1958 and who has asked to be relieved of the administrative duties as Head so that he can devote full time to teaching and research.

<sup>1</sup>C. K. Brightbill, Professor and Head of the Department of Recreation and Municipal Park Administration, Chairman; T. K. Cureton, Professor of Physical Education for Men; Laura J. Huelster, Professor and Head of the Department of Physical Education for Women; H. E. Kenney, Professor of Physical Education for Men and Manager of Facilities, College of Physical Education; Douglas R. Mills, Professor of Physical Education for Men and Director of Athletics; T. J. Nugent, Associate Professor of Physical Education for Men and Director of the Division of Rehabilitation-Education Services.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mr. Pogue, this appointment was approved.

**HEADSHIP OF THE DEPARTMENT OF SPEECH AND THEATRE,  
CHICAGO UNDERGRADUATE DIVISION**

(10) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. R. Victor Harnack, presently Associate Professor of Speech at the University of Colorado, as Professor of Speech on indefinite tenure and Head of the Department of Speech and Theatre at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of \$14,500 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

**HEADSHIP OF THE DEPARTMENT OF SYSTEMS ANALYSIS AND  
DESIGN, CHICAGO UNDERGRADUATE DIVISION**

(11) The Dean of the College of Engineering and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. Robert E. Machol, presently Vice-President for Systems of Conductron Corporation, as Professor on indefinite tenure and Head of the Department of Systems Analysis and Design in the College of Engineering at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of \$17,500 on a twelve months' service basis.

The Acting Dean of the Graduate College, and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mr. Johnston, this appointment was approved.

**SABBATICAL LEAVES OF ABSENCE, 1964-65**

(12) I recommend that the following members of the staff be given sabbatical leaves of absence during the academic year 1964-65 in accordance with the provisions of the University of Illinois Statutes and on the terms and for the periods indicated. This recommendation is supplementary to the applications recommended to the Board of Trustees on March 18 and May 20, 1964.

BEULAH A. HUNZICKER, Assistant Professor of Home Economics, College of Agriculture, first semester, full pay.

HIRAM PALEY, Assistant Professor of Mathematics, College of Liberal Arts and Sciences, first semester, one-half pay.

NICHOLAS C. SCHOLMITI, Assistant Professor of Mathematics, Chicago Undergraduate Division, second semester, full pay.

On motion of Mr. Johnston, these leaves were granted, as recommended.

**ADMISSION REQUIREMENTS IN THE COLLEGE OF LAW**

(13) The Urbana-Champaign Senate recommends several changes in requirements for admission to the College of Law, effective June 1, 1965. The major change is for a minimum admission requirement of a bachelor's degree from an approved undergraduate college.

The changes recommended have flexibility to facilitate the change-over to the new admission requirement and to deal with exceptional cases. The revisions will bring the College of Law in line with the requirements of other major law schools in this country.

Submitted herewith is a complete statement of all changes proposed, including the present and the new requirements, and a copy is being filed with the Secretary of the Board for record.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I recommend approval.

Dean Russell N. Sullivan of the College of Law was present at the meeting and discussed in some detail the reasons for the proposed change.

On motion of Mr. Swain, this recommendation was approved.

#### AMENDMENTS OF UNIVERSITY STATUTES

(14) At its April 15, 1964, meeting the Board of Trustees stated its tentative approval of revisions in Sections 6, 38, and 39 of the University Statutes originated by the Senates, with the exception of certain modifications thereof proposed by the Board, and directed that the advice of the University Senates be sought on the modifications.

On May 19, 1964, the Chicago Undergraduate Division Senate expressed its approval of the modifications proposed by the Board.

On May 25, 1964, the Urbana-Champaign Senate defeated a motion to adopt the Board's modifications and passed motions which (a) requested an opportunity for further consultation with the Board of Trustees (or a committee thereof) for the purpose of arriving at a consensus which would reflect the principles of the amendments adopted by the three Senates; (b) designated a Committee of the Senate for such purpose; and (c) suggested that the Board invite the corresponding Committees on Academic Freedom from the other Senates to join in such consultations.

On June 3, 1964, the Medical Center Senate also defeated a motion to approve the Board's proposed modifications and passed motions requesting further consultations in essentially the manner suggested by the previous action of the Urbana-Champaign Senate.

In accordance with the request of the Urbana-Champaign and the Medical Center Senates, I recommend that (1) further consultation be arranged with the designated committees, including the Committee on Academic Freedom of the Chicago Undergraduate Division; (2) the liaison committee of the Senate Coordinating Council also be requested to participate in the consultation as provided for in Section 7(d) of the University Statutes;<sup>1</sup> and that (3) the matter be referred to the Committee on General Policy for further action.

On motion of Mrs. Watkins, the President's recommendations were approved.

#### CONSOLIDATION OF OFFICE OF INSTRUCTIONAL RESEARCH AND OFFICE OF INSTRUCTIONAL TELEVISION INTO AN OFFICE OF INSTRUCTIONAL RESOURCES AT URBANA-CHAMPAIGN

(15) The Executive Vice-President and Provost recommends that an Office of Instructional Resources be established to replace the Office of Instructional Research and the Office of Instructional Television at the Urbana-Champaign campus. The new Office will assume the responsibilities presently assigned to its two predecessors and will in addition provide a wider range of instructional services to faculty members, departments, and colleges.

The Office of Instructional Resources will be broadly concerned with the improvement of the instructional program—especially at the undergraduate level—through assisting the faculty in the increased use of newer techniques and media and through studies of the influence upon academic achievement of other factors in the University environment within and outside the classroom.

The need to improve the quality of collegiate instruction in the face of mounting enrollment, and probably without commensurate increases in faculty and funds, makes it imperative to use as fully and as effectively as possible the

<sup>1</sup> Section 7(d) of the University Statutes provides that: "The Council shall appoint not more than three of its members to act as a liaison committee advisory to the Board of Trustees (through the President), the President, and the respective Senates, in matters of special and extraordinary concern to the University. The special function of this committee shall be to aid in maintaining harmonious relations among such officers and units of the University. The Committee shall act only upon the express request of the Board of Trustees, the President, any one of the three Senates, or the Senate Coordinating Council."

newer instructional resources such as television, programed instruction, films, graphic presentation, and other audio-visual techniques. The Office of Instructional Resources will assist faculty members in the use of these media and in evaluating their effectiveness.

In addition to studies of instructional methods and course content, the new Office will sponsor research on the relationship of academic achievement and choice of vocation to the characteristics of students (geographic, educational, psychological, and socio-economic), to characteristics of instructors, and to characteristics of the extracurricular environment.

The Director of the Office of Instructional Resources at Urbana-Champaign will administer that Office under the general supervision of the Executive Vice-President and Provost. He will also have University-wide staff responsibility for coordinating such functions on all campuses of the University, and for advising the Executive Vice-President and Provost concerning policies and plans in this area.

It is recommended also that Professor Charles J. McIntyre, at present Director of the Office of Instructional Television, be named Director of the Office of Instructional Resources at Urbana-Champaign, with the additional responsibilities just described.

I concur.

On motion of Mr. Johnston, these recommendations were approved.

#### CENTER FOR INTERNATIONAL COMPARATIVE STUDIES

(16) In consultation with the departments concerned, the Acting Dean and the Executive Committee of the Graduate College recommend that there be established in the Graduate College a Center for International Comparative Studies. The Center will supplement programs previously established and for which funds have been provided in state appropriations for the current biennium (1963-64). The earlier programs and the new Center will also be supported over a period of five years by a grant received from the Ford Foundation.

The purpose of the proposed Center will be to provide a framework within the University for stimulating and supporting comparative research of a functional and problem-oriented nature along cross-cultural, cross-national, and cross-regional lines. Its central function will be to develop means of encouraging such research and criteria for supporting it, including appropriate arrangements for released time for faculty research and for financing overseas travel for research scholars. Preference for support will be given to research programs that involve the training of graduate students.

A detailed description of the functions of the Center is submitted herewith and a copy is being filed with the Secretary of the Board for record.

The officers on the three campuses concerned have been consulted. The Director of International Programs and the Executive Vice-President and Provost concur in the recommendation.

I recommend approval.

On motion of Mrs. Watkins, this recommendation was approved.

#### CENTER FOR INSTRUCTIONAL RESEARCH AND CURRICULUM EVALUATION

(17) The College of Education recommends that the name of its present Office of Educational Testing be changed to "Center for Instructional Research and Curriculum Evaluation," effective September 1, 1964.

The new name would denote more accurately the interests and activities of the staff members of the Office of Educational Testing. Its functions have always been broader in scope than educational testing per se, and the proposed designation would emphasize the major purposes for which educational and psychological tests are used in educational research.

The proposed Center for Instructional Research and Curriculum Evaluation would have a relatively small permanent staff—as the Office of Educational Testing now has—but it would have the cooperation of many faculty members in departments throughout the College of Education, and in other colleges, who are interested in curricular innovation or in the improvement of teaching. The Center would provide the technical assistance needed for testing the effectiveness



of curriculum changes in various school or college subjects, and for determining the teaching methods best suited to the presentation of such materials to students.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost recommend approval of the change in name and expansion in program of the Office of Educational Testing.

I concur.

On motion of Mr. Williamson, this recommendation was approved.

#### ESTABLISHMENT OF A SURVEY RESEARCH LABORATORY

(18) The Acting Dean of the Graduate College recommends that a Survey Research Laboratory be established by the University of Illinois as a separate unit of the Graduate College. The functions of the Survey Research Laboratory will be to: (1) plan, conduct, and process survey operations for University research projects; and, to carry out this function, to create an operating survey organization with facilities for maintaining and interviewing probability samples of the population of the state of Illinois; (2) conduct and promote research in survey methods; (3) provide a means for training undergraduate and graduate students in survey methods; and (4) act as a data repository for survey and other data on the state of Illinois.

Such a laboratory will serve to coordinate and facilitate the large number of University projects which currently use survey methods and will promote research on questions which can only be answered through the use of surveys. Its need stems from the growing use of the survey method as a tool of investigation employed in many different areas of the University. Knowledge of the use of this tool and of the associated facilities has become essential if undergraduate and graduate students in most of the social sciences and related applied fields are to receive a well-rounded education.

Until now, the University has possessed no central laboratory for maintaining survey operations, for collecting survey data, or for storing research data in a form readily available to faculty members and students. This type of laboratory exists at the Universities of Michigan and Wisconsin, but there is none at present in the state of Illinois.

The operations of the Survey Research Laboratory will be conducted by faculty members who hold departmental appointments. Primary administrative responsibility will rest with a Director and an Executive Committee. The Executive Committee will consist of those faculty members directly responsible for the major sections of the Laboratory (sampling, field operations, coding, and data storage), together with additional appointees from the faculties of the various departments of the University of Illinois most dependent upon the facilities of the Laboratory for their research activities. These additional faculty appointees will be named by the Dean of the Graduate College on recommendation of their department heads. The Director will be appointed biennially by the Board of Trustees on recommendation of the President, after nomination by the Dean of the Graduate College with the concurrence of the Executive Committee of the Laboratory. The Director of the Laboratory will serve as a member of the Executive Committee.

It is intended that the groundwork of the Laboratory will be laid during the forthcoming summer and academic year. During this period, a so-called master sample of the population of Illinois will be developed and field force of interviewers will be established and trained in all areas encompassed by the master sample. During this same period, plans would be completed for a perpetual data repository. Such repository would seek to develop an inventory of data needed in studies carried out by University faculty, and would maintain data relating to the business conditions and welfare of the State of Illinois.

A major function of the Laboratory will be to educate graduate and undergraduate students in survey techniques. Students will be given an opportunity to work under general faculty supervision and will be involved closely with the operational phases of a survey project. In addition, graduate students will be able to carry out dissertation projects using the resources of the Survey Research Laboratory. Faculty members will offer departmental courses drawing upon the resources of the Laboratory.

It is anticipated that the Survey Research Laboratory will be ready for regular operations by September, 1965.

This proposal has been approved by the Executive Committee of the Graduate College, the University Research Board, and the Executive Vice-President and Provost.

I concur.

On motion of Mr. Jones, this recommendation was approved.

#### HOSPITAL-MEDICAL-SURGICAL INSURANCE POLICIES FOR STUDENTS AND STAFF

(19) Bids have been received on the hospital-medical-surgical insurance programs for staff and students for one year from September 1, 1964, with the right reserved to renew such insurance annually thereafter upon mutual agreement between the Carrier and the University. A schedule of the bids is submitted herewith and a copy is being filed with the Secretary.

The Vice-President and Comptroller recommends award of a contract for the same benefits as the current program to the Continental Assurance Company, 310 South Michigan Avenue, Chicago, the lowest bidder, at the following rates:

##### Staff Insurance

	Monthly Premium to be Paid to Company	Present Contract
Employee.....	\$3 64	(\$3 51)
Employee and Dependents.....	9 59	( 9 40)

##### Student Insurance

	Premium Per Semester to be Paid to Company	Premium Per Quarter to be Paid to Company
	Chicago Undergraduate Division	Medical Center
	Urbana	
Student.....	\$ 9 38 (\$ 9 20)	\$7 34 (\$7 20)
Spouse.....	12 34 ( 12 10)	9 94 ( 9 75)
Child or Children...	8 80 ( 8 63)	5 30 ( 5 20)

The excess over the cost of the coverage will be adequate to defray the administrative expenses of the programs. Since the bids are only slightly more than under the present contract, no increase in the fees charged to students and staff is necessary.

On motion of Mr. Johnston, this contract was authorized.

#### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(20) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations from the University General Reserve:

##### Urbana-Champaign

1. College of Fine and Applied Arts:	
Department of Art, equipment.....	\$ 4 526
2. Physical Plant Department:	
Remodeling in the Mining and Metallurgy Laboratory and moving costs for the Department of Art.....	5 377
Remodeling for School of Music at 1205 West Nevada Street, Urbana, to provide practice rooms.....	8 375
Remodeling for School of Music at 1205½ West Nevada Street, Urbana, to develop classroom and office space for piano instruction.	10 100
Remodeling at 1007 and 1007½ South Wright Street, Champaign, for use as a Center for Linguistics and various area studies groups...	11 040
Remodeling in the Natural History Building to provide research space for graduate students and in Harker Hall to provide space for courses in the School of Life Sciences.....	17 580
Remodeling on the second floor of the Mining and Metallurgy Laboratory to provide office space for the Nuclear Engineering Program..	19 270
Total.....	\$76 268

I concur.

On motion of Mr. Swain, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### CONTRACTS FOR CONSTRUCTION OF DYNAMICS TEST LABORATORY

(21) The Director of the Physical Plant Department and the Vice-President and Comptroller recommend award of contracts for construction of the Dynamics Test Laboratory for the Department of Civil Engineering, the award in each case being to the lowest bidder:

General — Kuhne-Simmons Company, Inc.....	\$173 340
Base bid .....	\$176 960
Deductive alternates for:	
Omission of laboratory cabinets.....	—3 200
Omission of ceramic wall and floor tile in two rooms.....	—410
Electrical — Square Deal Electrical Contracting, Inc., Urbana.....	16 342
Plumbing — Willis H. Thomas and W. C. Thomas, a partnership doing business as Thomas Plumbing and Heating Company, Urbana.....	7 855
Heating and Air Conditioning — F. R. Inskip, an individual doing business as Inskip Plumbing, Heating, and Air Conditioning Company, Champaign.....	5 656
Ventilating — F. R. Inskip, an individual doing business as Inskip Plumbing, Heating, and Air Conditioning Company, Champaign.....	4 981
Total.....	\$208 174

It is also recommended that a combined contract be awarded to F. R. Inskip, an individual doing business as Inskip Plumbing, Heating, and Air Conditioning Company, Champaign, in the amount of \$10,637 being the total of the amounts bid by that Company on heating and air conditioning and on ventilating work.

Funds are available from the Universities Building Fund and from the Research Contract Reserve. The latter source will be reimbursed if a construction grant is received from the National Science Foundation.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of all bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Page, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### CONTRACT FOR CONSTRUCTION OF UTILITY EXTENSIONS TO EAST CHEMISTRY BUILDING

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$36,879 to the J. A. Julian Company, Chicago, the lowest bidder, for extension of steam service to the East Chemistry Building Addition.

Funds are available in the state capital appropriations to the University for 1963-65 and have been released.

I concur.

On motion of Mr. Pogue, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### CONTRACTS FOR COOLING TOWERS FOR ADMINISTRATION BUILDING

(23) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of cooling towers on the Admin-

istration Building for air conditioning the new addition, the present building, and providing additional capacity for future air conditioning of other buildings in the immediate area, the award in each case to the lowest bidder.

General — Kuhne-Simmons Company, Inc., Champaign.....	\$ 59 624
Base bid .....	\$60 000
Deductive alternates for:	
Omission of job office.....	—165
Omission of temporary sign.....	—136
Omission of temporary power.....	—75
Electrical — Square Deal Electrical Contracting, Inc., Urbana.....	12 890
Plumbing — F. R. Inskip, an individual doing business as Inskip Plumbing, Heating, and Air Conditioning Company, Champaign.....	6 860
Heating — Bellis and Miller, Inc., Champaign.....	63 551
<b>Total.....</b>	<b>\$142 925</b>

Funds are available in state capital appropriations to the University from the Universities Building Fund, subject to release.

Submitted herewith is a report from the Physical Plant Department, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williams; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### CONTRACTS FOR MINOR BUILDING ALTERATIONS AND REPAIRS

(24) The Director of the Physical Plant and the Vice-President and the Comptroller recommend authorization of cost-plus contracts with the following contractors for minor building alterations, repairs, and construction work for the period July 1, 1964, through June 30, 1965.

General — Dean Evans Company, Champaign

Electrical — William H. Brunkow, an individual doing business as Brunkow Electric Company, Champaign

Plumbing — Willis H. and W. C. Thomas, a partnership doing business as Thomas Plumbing and Heating Company, Urbana

Heating, Piping, Refrigeration, and Automatic Temperature Control Systems — Reliable Plumbing and Heating Company, Champaign

Ventilation and Distribution Systems for Conditioned Air — Reliable Plumbing and Heating Company, Champaign

It is also recommended that a combined contract be awarded to Reliable Plumbing and Heating Company, Champaign, for heating, piping, refrigeration, and automatic temperature controls and for ventilation and distribution systems for conditioned air, since this Company submitted identical bids for each category of work.

These contracts are for work which does not justify the cost of preparing separate drawings and specifications and of separate bidding procedures on each project. The several contractors bid on percentages to be added to actual material, labor, and subcontract costs, depending in many cases on the size of the particular division of work with specified limits of four ranges.

Work will be done as ordered by the Physical Plant Department and will be paid for on the basis of the actual cost of each job plus contractors' fees. A schedule of bids taken showing the percentages to be added for work to be executed under these cost-plus contracts is submitted herewith, and a copy is being filed with the Secretary of the Board for record as the basis for the contract awards recommended. No assignment of funds is requested and each job will be covered by a contract change order charged against funds allocated for the project.

It is further recommended that the Vice-President and Comptroller be authorized to approve orders under these contracts up to \$25,000 on each project provided that any orders exceeding this amount shall be submitted to the Board

of Trustees for approval in advance, in accordance with previous practice and authorization.

I concur.

On motion of Mr. Williamson, these contracts were awarded, and authority was given as requested, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### CONTRACT FOR PLASTERING, PLASTER PATCHING AND REPAIRS, AND ACOUSTICAL WORK

(25) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a cost-plus contract to George S. Grimmett, doing business as George S. Grimmett and Company, Springfield, the lowest bidder, for plastering, plaster patching and repairs, and acoustical work during the fiscal year ending June 30, 1965, on the basis of a contractor's fee of 13.9 per cent of all actual job costs as determined by itemized billing.

I concur.

On motion of Mr. Johnston, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### CONTRACTS FOR REMODELING IN DENTISTRY-MEDICINE- PHARMACY BUILDING

(26) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling in the first unit of the Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

General—Heller Construction Company, Inc., Chicago.....	\$25 252
Base bid .....	\$23 459
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	1 793
Laboratory Equipment—Duralab Equipment Corporation, Chicago.....	27 974
Plumbing—Reid Mechanical Contractors, Inc., Chicago.....	8 222
Heating and Process Piping—Ashland Plumbing and Heating Company, Chicago.....	7 964
Ventilating—Hedmark Sheet Metal Company, Inc., Glen Ellyn.....	19 595
Pipe Covering and Insulation—W. J. Donahoe Company, Chicago.....	1 455
Electrical—Midwest Interstate Electrical Construction Company, Chicago.....	7 220
<i>Total</i> .....	<i>\$97 682</i>

This work will include rehabilitating the west half of a student laboratory (Biochemistry Room 304) by installation of new partitions, laboratory furniture, improvement of the lighting level and mechanical ventilation, installation of resilient flooring, and painting. The remodeling is a continuation of remodeling in this area which was completed during the 1961-63 biennium.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$97,682; and that an agreement be entered into with Heller Construction Company, Inc., for the assignment of these other contracts for \$1,793 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds for this work are available in the state capital appropriations to the University for 1963-65.

Submitted herewith is a schedule of all bids received and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston,

Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### EXTENSION OF EASEMENT AT CARTER-PENNEL FARM

(27) The Central Illinois Public Service Company has an easement for electric power transmission lines along the public roads adjoining the University's Carter-Pennell farm near Rankin in Vermilion County. The Company needs to install a heavier line and requests an easement to install three anchor wires on University property. The area of the easement is about one-seventh of an acre. Two of the anchors will be on non-tillable land, and most of the area around the third anchor can be farmed. The Company will pay \$150 for the easement.

The Dean of the College of Agriculture and the Vice-President and Comptroller consider this compensation adequate and recommend adoption of the following resolution granting an easement.

#### Resolution

*Be It, And It Hereby Is Resolved* by The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of conveyance, contract, or other document or documents as to them may seem necessary or desirable in order to grant to Central Illinois Public Service Company, an Illinois corporation, hereinafter referred to as "Grantee," its successors and assigns, the right to construct, operate, patrol, and maintain a transmission line, including poles, anchors and necessary fixtures and wires attached thereto, over and upon the land hereinafter described, for the transmission of electrical energy and communication such line to form a part of an electrical transmission and telephone system to be owned and operated by the said Grantee its successors, or assigns, extending from the lands owned by the said Grantee and the structures thereon in Vermilion County, Illinois, to other lands and structures located beyond the lands hereinafter described, and also to remove or trim all brush and trees on the said land within Fifty Feet (50') of the said transmission line, together with the right of access to the said land. Any damage to any property of the Grantor, its assigns or tenants, caused by the employees of the Grantee, its successors or assigns, shall be promptly paid by the said Grantee, its successors or assigns. The land of the Grantor over which this grant is given and the location of the line to be constructed thereon, are described as follows:

##### TRACT I:

The North One Hundred Feet (N. 100') of that part of the Southwest Quarter (SW  $\frac{1}{4}$ ) of the Northeast Quarter (NE  $\frac{1}{4}$ ) of Section Eleven (Sec. 11) which lies East of Brook Creek and the West Four Hundred Twenty Five Feet (W. 425') of that part of the Southeast Quarter (SE  $\frac{1}{4}$ ) of the Northeast Quarter (NE  $\frac{1}{4}$ ) of Section 11 which lies North of the North line of Carter's Second West Addition to the Original Town of Rankin, Illinois, all in Township Twenty-Three North (T.23.N.), Range Fourteen West (R.14.W.) of the Second Principal Meridian (2nd P.M.), Vermilion County, Illinois.

This grant is made to grant the right to place One (1) anchor Nine Hundred Sixty-five Feet (965') North of the South line of the Northeast Quarter (NE  $\frac{1}{4}$ ) of the said Section 11 and 1350 feet West of the East line of the said Section 11. Also, One (1) anchor to be placed 1070 feet North of the South line of the Northeast Quarter (NE  $\frac{1}{4}$ ) of the said Section 11 and 1320 feet West of the East line of the said Section 11. Also, Two (2) anchors to be placed 1210 feet, more or less, North of the South line of the Northeast Quarter (NE  $\frac{1}{4}$ ) of the said Section 11 and 1140 feet West of the East line of the said Section 11.

##### TRACT II:

The North Twenty-Five Feet (N. 25') of the West One Hundred Fifty Feet (W. 150') of the Northwest Quarter (NW  $\frac{1}{4}$ ) of the Northwest Quarter (NW  $\frac{1}{4}$ ) of Section Twelve (Sec. 12) in Township Twenty-Three North (T.23.N.), Range Fourteen West (R.14.W.), of the Second Principal Meridian

(2nd P.M.), Vermilion County, Illinois, which lies South of the South line of the Public Highway which extends East and West along the North line of the said Section 12.

This grant also includes the right to place One (1) pole One Foot (1') South of the South line of the above mentioned Public Highway and 142 feet East of the center line of State Highway Route #49. One (1) anchor to be placed 20 feet South of the said pole.

The Grantee herein agrees to move, at its own expense, the anchors listed above, upon request of Grantor, and due to relocation of said Brook Creek bed, to a location which is mutually agreeable between Grantee and Grantor.

This easement to cease to be in effect if said transmission line is abandoned.

On motion of Mr. Pogue, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

#### EMPLOYMENT OF ENGINEERS

(28) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of Sodemann and Associates, Champaign, Illinois, for engineering services in planning the paving of Peabody Drive east of Goodwin Avenue in front of the Veterinary Medicine Building at the standard fee based on Schedule B of the minimum fees of the Illinois Society of Professional Engineers.

Funds are available in the Physical Plant budget.

The Committee on Buildings and Grounds and the Advisory Committee on Architectural and Engineering Services have been consulted and recommend approval.

I concur.

On motion of Mr. Johnston, this recommendation was approved.

#### EMPLOYMENT OF SPECIAL COUNSEL

(29) The Legal Counsel has been authorized to employ special counsel in the vicinity of Du Quoin, Illinois, to represent the University in a case before the Court of Claims filed by Ora Metcalf, an employee of Marshall Browning Hospital in Du Quoin, and in which case (by an amended complaint) the University is being sued for \$5,000 for an alleged loss of hearing resulting from a demonstration conducted by the University Extension Division.

I request confirmation of this authorization.

On motion of Mr. Swain, the President's action was confirmed.

#### DIXON SPRINGS AGRICULTURAL CENTER

(30) The Dean of the College of Agriculture and Director of the Agricultural Experiment Station and the Cooperative Extension Service in Agriculture and Home Economics reports a reorganization of the Dixon Springs Experiment Station, and, recommends changing its name to "Dixon Springs Agricultural Center of the University of Illinois."

I have approved the recommendations and report my action for the record. A text of the reorganization plan is submitted herewith, and a copy is filed with the Secretary of the Board for the record.

On motion of Mrs. Watkins, the President's actions were confirmed.

#### PURCHASES

##### Purchases Authorized

(31) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in one category: purchases from Institutional Funds. This term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other donors, and University revolving funds authorized by law.

*Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of laboratory equipment and supplies for export to Thailand	Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)	LaPine Scientific Co., Chicago	\$3 043 61 f.a.s. New York, N.Y.
One lot of laboratory equipment and supplies including constant temperature water baths, pipette and washing accessories, balance, microscope, ovens, and assorted laboratory accessory items	Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)	Schaar Scientific Co., Chicago	3 079 35 f.a.s. New York, N.Y.
Two electrocardiographs and accessories consisting of six transducers, two preamplifiers, one accessory kit, and twenty-four rolls of recording paper	Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)	Hewlett-Packard Co., Palo Alto, Calif.	5 083 20 f.o.b. Waltham, Mass.
One lot of laboratory equipment and supplies including mimeoscopes and optical accessories, laboratory glassware, water still, and laboratory accessories	Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)	LaPine Scientific Co., Chicago	3 894 23 f.a.s. New York, N.Y.

On motion of Mr. Johnston, these purchases were approved.

*Purchases Recommended*

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University); and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants, and grants from corporations and other donors, and University revolving funds authorized by law.

*Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One 70 mm., x-ray camera to be furnished and installed on an x-ray image amplifier in the Department of Radiology	Radiology, Medical Center	North American Phillips Co., Inc., Evanston	\$3 165 00 delivered and installed
Furnish, deliver, and set in place in buildings at Chicago Circle, 3,065 office chairs consisting of 940 wood armchairs, 814 upholstered side chairs, 671 upholstered swivel chairs, 211 posture chairs, 80 upholstered chairs without arms, and 349 wood conference chairs, upholstered seat	Chicago Circle	Milwaukee Chair Co., Milwaukee, Wis.	129 190 39 delivered and set in place
Furnish and install 263 pieces of steel office furniture consisting of 46 desks, 12 tables, 7 credenzas, 46 files, 122 chairs, 26 stools, and 4 typing stands, all for use in the Library Building at Chicago Circle	Library, Chicago Circle	E & I Cooperative Service, Inc., Garden City, N.Y.	25 033 84 delivered and set in place
Furnish and set in place optical laboratory equipment complete with auxiliary accessories, consisting of one spectrograph, medium quartz; two wave length spectrometers; one interferometer; one abbe refractometer; one raman spectrograph	Physics, Chicago Circle	Engis Equipment Co., Chicago Gaertner Scientific Corp., Chicago	45 042 59 4 055 00 (49 097 59) delivered and installed



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furnish and install a double beam infra-red spectrophotometer for use in wave length range 2.5 to 50 microns (4000 to 200 $\text{cm}^{-1}$ ) with a high resolution and accuracy in the entire range, for the Department of Physics at Chicago Circle	Physics, Chicago Circle	Beckman Instruments, Inc., Lincolnwood	\$ 25 283 30 delivered and installed
Furnish and deliver drafting equipment consisting of one theodolite, four optical transits, one soil augur, one optical level, one lot twenty-two drafting machines, one stadia rod, for departments at Chicago Circle	Chicago Circle	National Survey Instruments, Inc., Chicago Frederick Post Co., Chicago	4 461 25  2 734 04 (7 195 29) delivered and installed
Three gasoline-powered material handling trucks and one electric-powered material handling truck	Chicago Circle	West Coast Machinery Co., Stockton, Calif.	5 273 50 delivered
Eighty wood ladders, thirty-six stage platforms, twenty-two extension planks, eight steel safety ladders, two aluminum safety ladders, four aluminum step ladders, for use at Chicago Circle	Chicago Circle	A To Z Equipment Co., Chicago Chicago Ladder & Scaffold Co., Chicago The Patent Scaffolding Co., Chicago	163 60 278 80 3 125 41 (3 567 81) delivered
Furnish, deliver, and set in place 116 lecterns in Classroom Complex, Engineering and Science Laboratories, and Lecture Center at Chicago Circle	Physical Plant, Chicago Circle	Herman Miller, Inc., Chicago	24 106 00 delivered and set in place
One industrial tractor and accessories	Physical Plant, Chicago Circle	Artim Equipment Co., Inc., Hammond, Ind.	3 700 00 delivered
One lot of grounds maintenance equipment consisting of: one power sweeper, two professional type power mowers, two two-wheel tractors, two battery powered sweepers, one roller, one renovator, one lawn mower sharpener, four grass trimmers, one power sprayer, two reel-type lawnmowers, two rotary mowers, four electric hedge trimmers, six garden hose reels, fourteen sprinklers	Physical Plant, Chicago Circle	George A. Davis, Inc., Chicago Gravely of Chicago, Melrose Park Illinois Lawn Equipment, Inc., Orland Park McMaster-Carr Supply Co., Chicago Roseman Tractor Equipment Co., Evanston G. H. Tennant Co., Chicago	1 966 90 2 945 00 2 526 00 337 20 1 373 00 6 643 82 (15 791 92) delivered
Furnish, deliver, and set in place thirteen pieces of machine equipment, consisting of one grinder, one pipe and bolt threading machine, one saw, one jointer, one shaper, one tenoner, one drill press, and six machine and pipe vices	Physical Plant, Chicago Circle	Chicago Precision Supply Corp., Schiller Park Four vices A. L. Fader & Co., Chicago Jointer Shaper Grand Tool & Supply Co., Chicago Two vices Clifford Peterson Tool Co., Chicago Grinder Threading Machine Balko Tool & Machine Co., Chicago Tenoner Drill Press Olsen Tool Corp., Chicago Saw	142 49 1 900 00 750 00 100 00 300 90 688 40 930 00 260 00 83 815 (5 909 94) delivered and set in place

(Note: This purchase will be from both Institutional Funds, \$502.49, and Appropriated Funds, \$5,407.45, for a total of \$5,909.94.)

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furnish, erect, and install 674 double-tier steel lockers, 12 in. by 18 in. by 72 in., and 76 enclosure panels for Chicago Circle Engineering and Science Laboratories	Physical Plant, Chicago Circle	Lyon Metal Products, Inc., Chicago	\$ 10 136 02 delivered and installed
One transmitter, AM, 5 kw, complete with all necessary transmission lines, branching and phasing equipment, and control units, less trade-in of old transmitter equipment	Radio Station	Radio Corp. of America, Camden, N.J.	34 861 70 f.o.b. delivered
One truck, fork lift, gasoline operated, 84 in. collapsed height, 12,000 pound capacity, less trade-in of twenty-year-old fork lift truck, to be used by the Physical Plant in jobs on the Urbana campus	Physical Plant	R. E. Common Equipment Co., Peoria	9 849 00 f.o.b. delivered
Furnish and install 238 upholstered auditorium type chairs with tablet arms in the lecture room of the Library addition	Physical Plant	The Franklin-Lee Co., Chicago	7 021 00 f.o.b. delivered and installed
Furnish and apply asphalt and limestone chips to be used for resurfacing and sealing streets, drives, and parking lots on the Urbana campus, as follows: 6,350 gallon (approximately) M.C.O. asphalt primer; 270 ton (approximately) 5/8 limestone chips; 17,000 gallons (approximately) PA-1 asphalt; 480 ton (approximately) limestone chips	Physical Plant Storeroom	Parro Construction Corp., Urbana	9 969 00 f.o.b. delivered and applied
University police clothing, including fitting of items as follows: 392 shirts; 7 overcoats, reefer style; 46 uniform jackets; 96 uniform trousers; 72 caps	Physical Plant Storeroom	Gerber Manufacturing Co., Mishawaka, Ind.	5 127 60 f.o.b. delivered
Hospital and medical professional liability insurance for three years at limits of \$200,000/500,000 covering the Chicago and Urbana risk; premium is payable on an annual installment basis of \$12,127 for Chicago and \$1,197 for Urbana	Research and Educational Hospitals, Health Services, Veterinary Medicine	Arthur Gottschalk, Peoria, representing Lumbermens Mutual Casualty Co.	40 884 00 total three- year premium
Veterinarian liability insurance, \$5,000 per claim, \$15,000 aggregate; annual installment of \$304			

*Purchases from Institutional Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One electron microscope and image intensifier system, less trade-in of one used microscope	Aeromedical Laboratory, Medical Center	The Perkin-Elmer Corp., La Grange	\$37 190 00 delivered and installed
One photomicroscope and accessories	Anatomy, Medical Center	Matheson Scientific, Inc., Chicago	5 674 49 delivered
Twenty dental air turbine units	Fixed Partial Prosthodontics	Star Dental Manufacturing Co., Inc., Philadelphia, Pa.	4 608 00 delivered
One flow detector, one flow monitor, and one 11 in. recorder	Pharmacology (Medicine)	Packard Instrument Co., Inc., La Grange	7 900 00 delivered
One spectrophotometer with accessories	Medicine	Matheson Scientific, Inc., Chicago	6 263 00 delivered
One lot of laboratory supplies, including two refrigerated centrifuges, eighty bottles of petroleum ether reagent, eighty bottles of acetone reagent, eighty bottles of methyl alcohol absolute reagent, eighty bottles of xylene reagent, eighty cans of ether anhydrous reagent, five cases of wash bottles, twenty-four pro-pipettes	Physiology, Medical Center	Matheson Scientific Co., Chicago	5 377 40 delivered
Dental laboratory service for the Prosthodontics Clinic consisting of the processing of artificial teeth in plastic and the furnishing of removable partial denture castings, for the period beginning July 1, 1964, through June 30, 1965, and may be renewed for one year by mutual agreement	Prosthodontics Clinic, Medical Center	Major-Monroe Dental Laboratory, Chicago	19 436 16 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Porcelain denture teeth as requested by the Prosthodontics Clinic from July 1, 1964, through June 30, 1965	Prosthodontics Clinic, Medical Center	D. L. Saslow Co., Inc., Chicago	\$ 4 672 68 delivered
One lot of approximately 243,000 sterile disposable hypodermic syringes and 199,000 hypodermic needles; this represents the estimated requirement from July 1, 1964, through June 30, 1965, subject to renewal for one year by mutual agreement	Medical Center Stores	Colonial Hospital Supply Co., Chicago	22 378 94 delivered
Approximately 480 cases sterile disposable operating room packs 300 cases sterile disposable obstetrical packs 60 cases sterile disposable lithotomy sheets 120 cases sterile disposable laparotomy sheets 156 cases sterile disposable towels This represents a twelve months' supply, subject to renewal for one year by mutual agreement	Medical Center Stores	Convertors, Inc., Newark, N.J.	40 973 76 delivered
504 bottles (500 CC each) lipomul I.V., a high carbohydrate dietary supplement used in pre- and post-operative care; this is an estimated six months' supply	Pharmacy Stores, Medical Center	The Upjohn Co., Chicago	2 889 43 delivered
One unit dose dispensing system consisting of one hypule filling and sealing machine, five hypule applicators, one cupule sealing machine, and one dropule pipetting jig	Hospital Pharmacy	Ampoules, Inc., Hudson, Ohio	9 502 50 delivered
Furnish and erect one silo, 18 ft. by 60 ft., poured concrete, including foundation at the University of Illinois Wright Farm No. 4 located at Malta, to be used for corn silage for livestock feeding research being conducted by the Department of Agricultural Economics	Agricultural Economics	Bertram Construction, Grafton, Wis.	4 040 00 f.o.b. delivered and erected
One titrator, dual, recording with one 2.5 ml burette and one combination electrode, for use in the nonaqueous titration of CO <sub>2</sub> in primine by the Department of Animal Science	Animal Science	E. H. Sargent & Co., Chicago	2 932 00 f.o.b. delivered
One spectrophotometer, infrared, recording, including three cells for liquid sampling, four boxes chart paper, two pen heads, five sodium chloride windows, and two demountable cell mounts, for general laboratory work in the Department of Animal Science	Animal Science	Perkin-Elmer Corp., La Grange	4 993 00 f.o.b. delivered
One 12215 constant potential x-ray generator and control, 50 KV-50 MA, adaptable for x-ray spectrograph with tube housing, shutters, filter selector disc, and rectifiers	Chemistry and Chemical Engineering	Philips Electronic Instruments, Chicago	4 640 00 f.o.b. delivered
One microscope, photo stand with built-in automatic camera and accessories	Chemistry and Chemical Engineering	W. H. Kessel & Co., Chicago	5 772 49 f.o.b. delivered
One spectrometer, electron spin resonance type for class instruction in the Department of Chemistry and Chemical Engineering	Chemistry and Chemical Engineering	Alpha Scientific Laboratories, Inc., Berkeley, Calif.	4 545 00 f.o.b. delivered
Two cameras, x-ray, with 77 mm. camera diameter plus accessories, non-integrating	Chemistry and Chemical Engineering	Picker X-Ray Corp., Chicago	3 190 00 f.o.b. delivered
Fabricate machine components consisting of a decay chamber, a soil container, and a base plate, for the Dynamic Load Generator to be built by the Civil Engineering Department for soil studies under a United States Air Force contract	Civil Engineering	Nooter Corp., St. Louis, Mo.	42 400 00 f.o.b. delivered
Lounge furniture for use in the Faculty Lounge of the new Commerce Building	College of Commerce and Business Administration	Weber, Hilmer, & Johnson, Chicago	7 486 39 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furnish services and materials for photographic optical effects and titles as requested for the period from June 19, 1964, through June 30, 1965	University of Illinois Committee on School Mathematics Film Project	Zapel Studios, Inc., Chicago	\$ 14 635 50 f.o.b. delivered
Two basic electronic chassis including power supply, eight digit readout with memory, automatic decimal point, and mode indicator, 1 mc crystal oscillator and related circuitry One plug-in frequency range module One plug-in function module	Coordinated Science Laboratory	Computer Measurements Co., c/o Pivan Engineering, Chicago	5 509 16 f.o.b. delivered
Two linear power amplifiers	Coordinated Science Laboratory	The Technical Materiel Corp., Mamaroneck, N.Y.	6 714 96 f.o.b. Nyack, N.Y.
350 special transistors, Federal No. 2N2015	Digital Computer Laboratory	Radio Corp. of America, Chicago	4 217 50 f.o.b. delivered
350 special transistors, Federal No. 2N1485	Digital Computer Laboratory	Hardinge Brothers, Inc., Chicago	7 072 00 f.o.b. delivered
One lathe, high precision, complete with collets and accessories to be used by the Digital Computer Laboratory for research in integrated circuits	Digital Computer Laboratory	Hughes Aircraft Co., Chicago Microdiodes	56 200 00 f.o.b. Newport Beach, Calif.
200,000 microdiodes 25,000 high-speed transistors 30,000 medium-speed transistors	Digital Computer Laboratory	Motorola Semiconductor Products, Inc., Chicago Transistors	40 750 00 f.o.b. Phoenix, Ariz.
One milling machine, horizontal universal, with complete set of collets and accessories to be used by Digital Computer Laboratory in machining of components for integrated circuits	Digital Computer Laboratory	Hardinge Brothers, Inc., Chicago	5 745 25 f.o.b. delivered
123,000 resistors, metal oxide film, $\frac{1}{4}$ watt at 70°C, 2 per cent tolerance, tinned copper leads	Digital Computer Laboratory	Corning Glass Works, Chicago	12 858 00 f.o.b. Bradford, Pa.
1,200 connectors, electronic, 44 contact, taper pin	Digital Computer Laboratory	Methode Electronics, Inc., Chicago	4 380 00 f.o.b. Chicago
One jigmil, precision boring and milling machine, 48 in. horizontal travel, table size 35 in. by 48 in., complete with preselected automatic speed changing mechanism for use by the Physics Department in precision jig boring and medium duty precision milling on large surfaces	Physics	Luther & Pedersen, Inc., Chicago	55 570 00 f.o.b. delivered
One oscilloscope dual-trace, 0-50 mc, signal delay feature, sweep range 0.1 microsecond/cm to 5 seconds/cm, 7 nanoseconds rise time One scope-cart, portable, on rollers	Physics	Tektronix, Inc., Park Ridge	2 585 00 f.o.b. Beaverton, Ore.
Rebuild one universal milling machine and rental of a replacement milling machine during the period of rebuilding	Physics	Indianapolis Machinery Co., Inc., Indianapolis, Ind.	4 350 00 f.o.b. delivered
One oscilloscope, sampling type One timing plug-in unit One dual trace plug-in unit One scope-cart, mobile Two probes	Physics-Betatron	Tektronix, Inc., Park Ridge	3 520 00 f.o.b. Beaverton, Ore.
Fifteen modular system power supplies, each self-contained, solid state, providing six independent DC voltages for operating high-speed solid state logic circuits	Physics-Betatron	Edgerton, Germeshausen, & Grier, Inc., Boston, Mass.	18 750 00 f.o.b. Salem, Mass.

Item	Department	Vendor	Cost
Three lots (596 tons total) straw, wheat, and/or oats	Veterinary Clinical Medicine, Dairy Science, Animal Science	Roy E. Rigdon, Ridge Farm 100 tons Ray Snyder, Lincoln 300 tons H. B. Sanderson, Tuscola 196 tons	\$ 1 700 00  5 175 00  3 528 00 (10 403 00) f.o.b. delivered
11,904 pints acetone reagent grade; 8,488 pints methyl alcohol anhydrous reagent; 6,144 pints chloroform reagent; 10,080 pounds ether, anhydrous reagent in 1 pound cans; 2,160 pounds ether U.S.P. in five-pound cans; 4,608 pints benzene reagent A.C.S.; an estimated one-year supply in the General Chemical Stores to be shipped on a monthly basis in quantities of approximately one-twelfth of the amounts shown	General Chemical Stores	Mallinckrodt Chemical Works, St. Louis, Mo.	13 247 12 f.o.b. delivered
Fifteen cases, card catalog, fifteen tray, wood, complete with top cornice units and leg base units	Library	Bro-Dart Industries, Newark, N.J.	2 670 35 f.o.b. delivered
Two dictionary stands, wood, size 24 in. wide by 15 in. deep by 43½ in. high			
Thirty-one typewriters, manual, 12 in. carriage, 92 character, including four dead keys	Library	Blum's Office Machines, Champaign	6 170 15 f.o.b. delivered and installed
Library furniture and shelving for the Physical Education Library and the Rare Book Room in the seventh addition to the Library as follows: 234 chairs, sixty-one tables, four desks, two counters, miscellaneous library equipment (Group A) Eleven card catalog cases (Group B) Fifty-six ranges of wood shelving (Group C) Seventeen exhibit cases (Group D)	Library	The Buckstaff Co., Oshkosh, Wis. Group A  The Franklin-Lee Co., Chicago Group B  C. S. Brown & Co., Wauwatosa, Wis. Group C  Michaels Art Bronze Co., Covington, Ky. Group D	17 312 12 delivered  7 600 00 delivered  14 264 00 delivered and installed  8 109 00 delivered  (47 285 12)
(Note: This purchase will be made from both Institutional Funds, \$30,948.61, and Appropriated Funds, \$16,336.51, for a total of \$47,285.12).			
Furniture for student rooms in Orchard Downs: Group 1 600 single beds 200 student desks with trapezoidal tops 235 student desks with rectangular tops Group 2 450 study chairs	Housing Division	Joerns Furniture Co., Stevens Point, Wis. Group 1 S. Buckman Furniture & Supply, Spring Valley Group 2	65 006 20  11 524 50  (76 530 70) f.o.b. delivered
1,560 gallons paint, interior, to be used by Housing Division paint crew in maintenance and redecorating jobs in campus housing units maintained by the Housing Division in Urbana	Housing Division	Bacon & Van Buskirk Glass Co., Champaign	3 831 70 f.o.b. delivered
Four cash registers, heavy duty, equipped with the following features: change computation buttons for twenty-five cents, fifty cents, and \$1.00, six-department totals, one tax total, two cashier totals with individual locks, one non-resettable auditor total, automatic transaction and customer counter, removable change trays and automatic change dispensers; less trade-in of one cash register with change mechanism	Housing Division	The National Cash Register Co., Danville	11 014 20 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Lounge furniture for use in the various lounges and the snack bar of the Illinois Street Residence Halls	Housing Division	Weber, Hilmer, & Johnson, Chicago Gilbert A. Force Co., Chicago Office Equipment Co. of Chicago, Chicago	\$ 48 609 17  2 681 55 7 400 25 (58 690 97) f.o.b. delivered
113 library chairs with arms brushed chrome frames, naugahyde upholstery	Office Supply Storeroom	S. Buckman Furniture & Supply Co., Spring Valley	4 136 96 f.o.b. delivered
2,244 wastebaskets, metal, various sizes and colors, for Office Supply Storeroom stock to meet the anticipated requirements for the buildings under construction at Urbana	Office Supply Storeroom	Acro-Adroit, Inc., Chicago	3 556 11 f.o.b. delivered
5,328 ring binders, three-ring, various sizes, for Office Supply Storeroom stock; an estimated ten to twelve months' supply	Office Supply Storeroom	Acro-Adroit, Inc., Chicago	6 161 76 f.o.b. delivered
Professional services to produce a thirteen and one-half minute sound-on-film color movie, including ten release prints, devoted to the subject of the nature and organization of a modern university library; film to be used to help in recruiting students for careers in librarianship	Office of Public Information	G & G Film Corp., Champaign	7 500 00 f.o.b. delivered
Print and bind 1,500 copies of <i>Advances in Neuroendocrinology</i> , by Andrew V. Nalbandov, approximately 340 pages per copy, trim size 6 $\frac{3}{4}$ in. by 10 in.	University Press	Malloy Lithographing, Inc., Ann Arbor, Mich.	3 662 00 f.o.b. delivered
Furnish and install one duplicator, offset, to accommodate 11 in. by 14 in. stock, equipped with an attachment to permit printing of two colors simultaneously, chain delivery and receding stacker	University Press Print Shop	Addressograph-Multigraph Corp., Peoria	5 565 63 f.o.b. delivered and installed
678 chairs, classroom, square metal frame, upholstered seat and back with foam rubber padding, for classrooms in the new Commerce Building	Physical Plant	S. Buckman Furniture & Supply Co., Spring Valley	11 621 06 f.o.b. delivered
Labor, material, and supervision to install acoustical tile in corridors of Garner and Weston Residence Halls at Urbana	Physical Plant	Harlan E. Moore & Co., Champaign	10 035 00 f.o.b. delivered and installed
Services of engineer for inspection and supervision of overhaul of turbine-generators and other associated equipment at the Abbott Power Plant, as required for the period July 1, 1964, through June 30, 1965	Physical Plant	General Electric Co., St. Louis, Mo.	15 000 00
450 chairs, movable, tablet arm type, for classroom use in the new Commerce Building	Physical Plant	S. Buckman Furniture & Supply Co., Spring Valley	8 239 50 f.o.b. delivered
Three truckloads (approximately 6,990 gallons) synthetic floor finish to be delivered to the Physical Plant Storeroom, one load to be delivered in July, 1964, with options for one load in October, 1964, and another option for one load for delivery in March, 1965	Physical Plant	Huntington Laboratories, Inc., Decatur	11 393 70 f.o.b. delivered
282 fixtures, fluorescent, six reflector fixtures, fourteen strip fixtures, and 142 hangers for installation by Physical Plant personnel on Urbana campus	Physical Plant	Graybar Electric Co., Inc., Peoria	6 984 54 f.o.b. delivered

On motion of Mr. Johnston, these purchases were authorized.

## COMPTROLLER'S REPORT OF CONTRACTS

(32) The Comptroller's report of contracts executed during the period May 1 to 31, 1964.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
The McGraw Wildlife Foundation	Tolerance studies on <i>Tilapia</i> fishes	\$ 1 800	April 1, 1964
United States Air Force AF-AFOSR-7-64	Comprehensive study of the theory and circuitry of systems with mind-like behavior	90 658	May 1, 1964
United States Air Force AF29(601)-6369	Sands subjected to dynamic and rapid loading to high-stress levels	22 000	March 13, 1964
United States Army DA-ARO-D-31-124-G543	Surface and fracture energies of solids	52 045	April 7, 1964
United States Navy Nonr-3985(07)	Investigation of photoplasticity techniques and subsequently examine the elasticplastic states of stress and strain of the tip of a crack	24 300	May 1, 1964
<b>Total</b>		<b>\$190 803</b>	

## Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Allis-Chalmers Manufacturing Co.	Rental of farm machinery: one tractor	\$ 469	April 13, 1964
Massey-Ferguson, Inc.	Rental of farm machinery: one No. 6 wagon	20	April 7, 1964
<b>Total</b>		<b>\$ 489</b>	

## Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
National Aeronautics and Space Administration NoG13-59	Flow-mechanism and heat transfer in separated flows	\$ 90 000	March 1, 1964
National Aeronautics and Space Administration NoG376	Underlying processes and techniques of low pressure measurement	101 860	December 1, 1963
State of Illinois Department of Conservation	Fisheries research	32 500	April 27, 1964
United States Air Force AF19-(604)-4940	Analysis of severe thunderstorms	5 995	April 23, 1964
United States Air Force AF19(604)-7411	Basic physics of shock wave phenomena	2 287	April 23, 1964
United States Army DA-11-022-ORD-1175	Alloys of the transition elements	655	April 24, 1964
United States Army DA-11-022-ORD-1987	Electrochemistry of fused salts	349	April 23, 1964
United States Army DA-11-022-ORD-2691	Dislocations and point defects	807	April 23, 1964
United States Army DA-11-022-ORD-3442	Protection against corrosion	954	April 24, 1964
United States Army DA-31-124-ARO-D-65	Dislocations and point defects	35 000	April 20, 1964
United States Atomic Energy Commission AF(11-1)-890	Mechanism of radiation-induced addition of tritium to carbon-carbon double bonds	11 000	May 1, 1964
United States Atomic Energy Commission AT(11-1)-891	Chemical reactions of energetic atoms produced by nuclear recoil or by heterogeneous flash photolysis	21 028	April 15, 1964
United States Atomic Energy Commission AT(11-1)-1018	Pattern recognition and data handling problems arising in the analysis of bubble chamber photographs of high-energy particle events	200 000	April 24, 1964
United States Atomic Energy Commission AF(11-1)-1199	Studies of rainout of radioactivity in Illinois	53 000	June 1, 1964
United States Atomic Energy Commission AT(11-1)-1264	Physical, chemical, and biological equilibria in natural waters	21 647	February 15, 1964

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Department of Health, Education, and Welfare PH43-62-467	Medical supervision, control, and coordination of clinical evaluation studies in cancer chemotherapy	\$ 7 535	April 14, 1964
United States Federal Housing Administration HA(....)fh-872	Factors that influence the quality of site design of multi-family housing projects and investigation of single-family housing	23 227	April 22, 1964
United States Navy Nob-88058	Fatigue studies on plain plate or welded plate specimens	56 000	March 25, 1964
United States Navy Nob-89229	Radiolocalization directed toward system problems	200 102	May 4, 1964
<i>Total</i>		<u>\$863 946</u>	

#### Adjustments Made in 1963-64 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
George S. Grimmett & Co. (Plastering)	Twenty-one items: \$305.86 deduct to \$825.00	\$ 2 833	April and May, 1964

#### Summary

Amount to be paid to the University.....	\$1 054 749
Amount to be paid by the University.....	3 322

This report was received for record.

#### REPORT OF THE EXECUTIVE COMMITTEE

The Executive Committee submits the following report:

#### Meeting of the Executive Committee of the Board of Trustees of the University of Illinois June 1, 1964

On call of the Chairman, and pursuant to due notice, a meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held in the offices of Skidmore, Owings, and Merrill, Architects, 30 West Monroe Street, Chicago, Illinois, on Monday, June 1, 1964, beginning at 4:00 p.m.

The following, constituting all members of the Committee, were present: Mr. Howard W. Clement, Chairman, Mr. Wayne A. Johnston, Mrs. Frances B. Watkins.

Also present were, from the University: Mr. Earl M. Hughes of the Board of Trustees, President David D. Henry, Vice-President and Comptroller H. O. Farber, Mr. C. S. Havens, Director of the Physical Plant, Mr. James E. Osborn, Business Manager for the Chicago Colleges, Mr. J. Fred Knight, Purchasing Agent at the Chicago Undergraduate Division, Mr. James J. Costello, Legal Counsel, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, and Mr. A. J. Janata, Secretary of the Board and Clerk of the Committee; and from the firm of Skidmore, Owings, and Merrill: Mr. Walter A. Netsch, Jr., Mr. Fred W. Kraft, and Mr. Ralph Youngren.

The purpose of the meeting was to consider recommendations for the purchase of classroom and lecture room seating and tables for the buildings under construction at Chicago Circle. Mr. Farber and Mr. Havens made introductory statements concerning the bids taken on the classroom and lecture room furniture. A tabulation of the proposals received was distributed to the members of the Committee and a copy was filed with the Clerk of the Committee for the record.

The bid proposals were on three groups of equipment: (A) classroom seating, (B) lecture room seating, and (C) lecture center tables. Mr. Netsch and Mr. Youngren presented the recommendations of Skidmore, Owings, and Merrill and exhibited samples of all of the items of equipment on which bids were received.

The Executive Committee acted separately on each group.

On motion of Mrs. Watkins, the Committee voted to authorize the purchase of the classroom seating from the General Fireproofing Company, Youngstown, Ohio, and Chicago, Illinois, at a total price of \$91,357.48.

On motion of Mr. Johnston, the Committee voted to authorize the purchase of lecture room seating from Herman Miller, Inc., Zeeland, Michigan, and Chicago, Illinois, for a total price of \$126,530.70.



On motion of Mr. Johnston, the Committee voted to authorize the purchase of the continuous lecture center tables from Herman Miller, Inc., at a price of \$7,680. These actions were taken by votes of record as follows: Aye, Mr. Clement, Mr. Johnston, Mrs. Watkins, no, none; absent, none.

The Committee adjourned.

A. J. JANATA  
*Clerk*

WAYNE A. JOHNSTON  
FRANCES B. WATKINS  
HOWARD W. CLEMENT, *Chairman*

### INVESTMENT REPORT

#### Report of the Finance Committee

(33) The Finance Committee reported the following changes in investments of endowment funds for the month of April, 1964:

##### *Cole Living Trust*

Sale					
\$ 2 000	State of California	3 per cent	11/1/85	\$	1 785 80
2 000	New York City	3.60	7/1/80		1 946 00
2 000	Spokane S/D 81	3	1/1/85-72		1 796 80

Purchase					
\$ 4 000	Federal Land Bank	4½ per cent	2/20/78-73	\$	3 955 00
110 shares	Pacific Gas & Electric	6 per cent 1st Pfd			3 478 75

##### *Dickerson*

Sale					
276 rights	American Telephone and Telegraph			\$	575 80

Purchase					
6 shares	American Telephone and Telegraph comm.			\$	600 00

##### *Garner*

Sale					
6/10 share	Royal Dutch Petroleum (20-G)			\$	25 20

##### *Ceramic-Metal Reactions*

Sale					
500 shares	Avnet Electronics Corporation common			\$	8 250 08

##### *Pool*

Sale					
1 right	American Telephone and Telegraph			\$	1 96

Purchase					
\$ 8 000	U. S. Treasury bonds	4 per cent	2/15/80	\$	7 860 00
46 shares	American Telephone and Telegraph comm.				4 600 00

#### Report of the Comptroller

The Comptroller reports the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

##### *Current Funds*

##### *Restricted Group (June 20, 1962)*

Purchase					
\$ 300 000	U. S. Treasury bills		7/30/64	\$	297 018 67
1 000 000	First National C/D*		9/29/64		1 000 000 00
100 000	U. S. Treasury bills		9/30/64		98 284 42
500 000	Montgomery Ward Credit notes		10/15/64		489 881 94
1 000 000	First National C/D*		10/30/64		1 000 000 00

##### *Construction Funds*

Assembly Hall (June 23, 1959, and March 17, 1962)

Purchase					
\$ 50 000	U. S. Treasury bills		8/13/64	\$	49 424 75

\* Certificates of Deposit of the First National Bank of Chicago.

## Chicago — Congress Circle Union (June 19, 1963)

Purchase			
\$ 295 000	U. S. Treasury bills	5/14/64	\$ 294 208 66
306 000	U. S. Treasury bills	6/18/64	304 155 84

## Chicago — Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953)

Purchase			
\$ 125 000	U. S. Treasury bills	7/23/64	\$ 123 913 06

## Graduate Housing (February 19, 1964)

Purchase			
\$ 200 000	U. S. Treasury bills	5/14/64	\$ 199 297 00
215 000	U. S. Treasury bills	6/18/64	213 512 20
220 000	U. S. Treasury bills	7/15/64	217 870 40
220 000	U. S. Treasury bills	8/13/64	217 237 04
220 000	U. S. Treasury bills	9/17/64	216 384 12
150 000	U. S. Treasury bills	10/15/64	147 239 75
220 000	U. S. Treasury bills	10/31/64	215 367 29
200 000	U. S. Treasury bills	11/30/64	195 141 50
185 000	U. S. Treasury bills	12/31/64	179 918 05
175 000	U. S. Treasury bills	1/31/65	169 596 68
150 000	U. S. Treasury bills	2/28/65	144 919 83
565 000	U. S. Treasury notes 3 $\frac{7}{8}$ per cent	5/15/65	564 293 75
1 071 000	U. S. Treasury notes 3 $\frac{7}{8}$ per cent	8/13/65	1 067 987 81

## Illinois Street Residence Halls (October 17, 1962)

Purchase			
\$ 80 000	U. S. Treasury bills	6/18/64	\$ 79 539 82

## Orchard Downs and SG-2 (June 14, 1960)

Purchase			
\$ 65 000	U. S. Treasury bills	7/16/64	\$ 64 437 75

## Orchard Downs Addition (May 24, 1962)

Purchase			
\$ 53 000	U. S. Treasury bills	7/16/64	\$ 52 541 55

## Pennsylvania Avenue Residence Halls (June 21, 1961)

Purchase			
\$ 58 000	U. S. Treasury bills	6/18/64	\$ 57 669 37

*Sinking Funds*

## Chicago — Congress Circle Union (June 19, 1963)

Purchase			
\$ 1 000	U. S. Treasury bills	2/28/65	\$ 968 21

Housing Revenue Bonds (December 17, 1958; June 23 and October 21, 1959; June 14, 1960; June 21, 1961; May 24 and October 17, 1962; and February 19, 1964)

Purchase			
\$ 74 000	U. S. Treasury bills	9/17/64	\$ 72 804 53
74 000	U. S. Treasury bills	2/28/65	72 520 59
72 000	U. S. Treasury notes 3 $\frac{7}{8}$ per cent	8/13/65	71 820 00

On motion of Mr. Williamson, this report was received for record, and the Committee's actions were confirmed.

**NUCLEAR ENGINEERING LABORATORY**

(35) With the approval of the Committee on Buildings and Grounds, the former Metallurgy Laboratory adjacent to the Ceramics Building which has been assigned to the nuclear engineering program has been renamed Nuclear Engineering Laboratory and this matter is being reported for record.

This report was received for record.

**NAMING OF RESIDENCE HALLS**

(36) The Housing Division recommends the following names for the Illinois Street Residence Halls and the Graduate Student Residence Halls on Green Street:

*Illinois Street Residence Halls, Women's Building — Ruth A. Wardall Hall.* Ruth A. Wardall, 1877-1936; Professor and Head of the Department of Home Economics, 1921-36.

Ruth A. Wardall was born July 28, 1877, at Tolono, Illinois. She was an Alumna of the University of Illinois, receiving the degrees of Bachelor of Arts in 1903 and Master of Arts (in Home Economics) in 1907. She served as Professor and Head of the Department of Home Economics at the University of Illinois from September, 1921, until April, 1936, when she resigned because of ill health. She died in July, 1936.

Prior to coming to Illinois, Miss Wardall had served as Head of the Departments of Home Economics at South Dakota State College, Ohio State University, and at the State University of Iowa. She achieved national recognition in her work as a teacher of home economics and as an administrator. She is especially remembered for her high ideals, her fine professional and personal character, and her loyalty to the University.

*Illinois Street Residence Halls, Men's Building — Edgar Jerome Townsend Hall.* Edgar Jerome Townsend, 1865-1955; Professor and Head of the Department of Mathematics, 1905-29; Dean of the former College of Science, 1905-13.

Edgar J. Townsend was born February 2, 1865, in Litchfield, Michigan. He graduated from Albion College with the degree of Bachelor of Philosophy in 1890 and received the degree of Master of Philosophy from the University of Michigan in 1891. Nine years later he received the degree of Doctor of Philosophy from the University of Göttingen.

Dr. Townsend joined the faculty of the University of Illinois as Assistant Professor of Mathematics in 1893. In 1895 he became an Associate Professor and Professor in 1905. He served as Head of the Department of Mathematics from 1905 until he retired in 1929. During the period 1905-13 he was also Dean of the former College of Science and at various times served for short periods as Acting President of the University during absences of President Edmund J. James.

His life at Illinois started during the period when John Milton Gregory, the retired first Regent of the University, was still living and ended shortly before the present President of the University began his administration. Professor Townsend died July 8, 1955.

*Graduate Student Residence Halls — Arthur Hill Daniels Hall.* Arthur Hill Daniels, 1865-1940; Professor of Philosophy, 1899-1934; Dean of the Graduate School, 1919-33; Acting President, 1933-34.

Arthur H. Daniels was born in East Medway (now Millis), Massachusetts, October 19, 1865. He graduated from Olivet College, Michigan in 1887 with the degree of Bachelor of Arts and received the degrees of Bachelor of Divinity from Yale University in 1890 and of Doctor of Philosophy from Clark University in 1893.

He came to the University of Illinois in 1893 as an Instructor in Philosophy, became an Assistant Professor in 1895 and Professor in 1899. He was Head of the Department of Philosophy for many years. His other administrative duties included those of Acting Dean of the College of Liberal Arts and Sciences for four different periods; Assistant Dean and Acting Dean of the Graduate School; and from 1921-1933, Dean of the Graduate School. He served as Acting President of the University for one year from July, 1933 and retired in 1934. He died in April, 1940, leaving a record of distinguished and dedicated service to the University of Illinois.

The recommendations of the Housing Division are supported by the departments concerned, viz., Home Economics, Mathematics, and the Graduate College. As is customary, the Executive Committee of the University Council has also been consulted, and concurs.

I recommend approval.

Mr. Pogue reported that the Committee on Buildings and Grounds had reviewed these recommendations and supports them.

On motion of Mr. Pogue, the recommendations were approved.

#### NAMES OF BUILDINGS AT CHICAGO CIRCLE

(37) The Vice-President for the Chicago Undergraduate Division and his Aca-

demic Advisory Committee recommend that buildings under construction at Chicago Circle be named as follows:

Classroom Buildings—Abraham Lincoln, Stephen A. Douglas, Lorado Taft, Daniel Burnham, Jane Addams, Ulysses S. Grant, and Thomas Jefferson. Functional names are not feasible since these buildings all serve the same purpose. The names have been selected from a long list of statesmen and contributors to the arts and to social progress identified with the history of Illinois and of Chicago.

Administration and Staff Building—University Hall

Lecture Center—Lecture Center

Illini Union—Illini Union

Engineering and Science Laboratories—Science and Engineering Laboratories

I recommend approval.

Mr. Pogue reported that the Committee on Buildings and Grounds had reviewed these recommendations and supports them.

On motion of Mr. Swain, the recommendations were approved.

#### MEMORIAL TO FRANCES MYERS BAUER

Mr. Swain read the following and moved its adoption:

##### Resolution

WHEREAS, since the last meeting of the Board of Trustees of the University of Illinois, Fran Myers Bauer who has covered the meetings of the Board for her newspaper, *The News-Gazette*, has passed on; and

WHEREAS, her record shows that she was a great friend of the University and a dedicated newspaper woman over many years and one who has ably reported our proceedings for approximately forty years;

*Now Therefore Be It Resolved* in recognition of her contribution to our great University and her great interest in the University of Illinois, we, the Board of Trustees, hereby express our deep sorrow upon her passing as she will be greatly missed by all of us.

This resolution was unanimously adopted.

#### DEGREES CONFERRED IN JUNE, 1964

The Secretary presented for record the following lists of degrees conferred on candidates at the Medical Center campus on June 11, 1964, and on the other dates indicated, and on candidates at the Urbana-Champaign campus on June 13, 1964, in accordance with the authorization of the Board of Trustees.

##### Summary

Honorary Degrees, conferred at Urbana:

Doctor of Fine Arts.....	1
Doctor of Music.....	1
Doctor of Science.....	1
<i>Total, Honorary Degrees.....</i>	<i>(3)</i>

Degrees in the Graduate College, conferred at Urbana:

Doctor of Philosophy.....	162
Doctor of Education.....	20
Doctor of Musical Arts.....	1
Master of Arts.....	146
Master of Science.....	390
Master of Music.....	10
Master of Education.....	107
Master of Social Work.....	44
Master of Fine Arts.....	8
Master of Laws.....	1
Master of Architecture.....	7
Master of Accounting Science.....	19
Master of Business Administration.....	17

Master of Comparative Law .....	1
Master of Extension Education .....	2
Advanced Certificate in Education .....	19
Advanced Certificate in Music Education .....	1
<i>Total, Graduate College</i> .....	(955)
Degrees in Law, conferred at Urbana:	
Bachelor of Laws .....	59
Degrees in Veterinary Medicine, conferred at Urbana:	
Bachelor of Science .....	41
Doctor of Veterinary Medicine .....	39
<i>Total, Veterinary Medicine</i> .....	(80)
Baccalaureate Degrees, conferred at Urbana:	
Bachelor of Science, College of Agriculture .....	211
Bachelor of Science, College of Engineering .....	365
Bachelor of Arts, College of Liberal Arts and Sciences .....	634
Bachelor of Science, College of Liberal Arts and Sciences .....	316
Bachelor of Science, College of Education .....	219
Bachelor of Science, College of Commerce and Business Administration ..	289
Bachelor of Science, College of Journalism and Communications .....	69
Bachelor of Architecture, College of Fine and Applied Arts .....	62
Bachelor of Fine Arts, College of Fine and Applied Arts .....	59
Bachelor of Music, College of Fine and Applied Arts .....	3
Bachelor of Science, College of Fine and Applied Arts .....	30
Bachelor of Arts, College of Physical Education .....	1
Bachelor of Science, College of Physical Education .....	62
<i>Total, Baccalaureate Degrees</i> .....	(2,365)
<i>Total, Degrees Conferred at Urbana</i> .....	(3,462)
Honorary Degrees, conferred at Chicago:	
Doctor of Arts .....	1
Degrees in the Graduate College, conferred at Chicago:	
Doctor of Philosophy .....	15
Master of Science .....	38
<i>Total, Graduate College</i> .....	(53)
Degrees in Dentistry, conferred at Chicago:	
Bachelor of Science .....	50
Doctor of Dental Surgery .....	83
<i>Total, Dentistry</i> .....	(133)
Degrees in Medicine, conferred at Chicago:	
Bachelor of Science in Occupational Therapy .....	14
Doctor of Medicine .....	182
<i>Total, Medicine</i> .....	(196)
Degrees in Nursing, conferred at Chicago:	
Bachelor of Science .....	42
Degrees in Pharmacy, conferred at Chicago:	
Bachelor of Science .....	48
<i>Total, Degrees Conferred at Chicago</i> .....	(473)
<i>Total, Urbana and Chicago</i> .....	(3,935)

### *Degrees Conferred at Urbana*

#### HONORARY DEGREES

#### Degree of Doctor of Music

MARIAN ANDERSON, D.Mus., D.F.A.

**Degree of Doctor of Fine Arts**

LUDWIG MIES VAN DER ROHE, D.Eng., LL.D.

**Degree of Doctor of Science**

WILLIAM ALBERT NOYES, JR., D.ès.Sc., Doctorat Honoris Causa, University of Paris; D.Sc.

**GRADUATE COLLEGE****Degree of Doctor of Philosophy***In Accountancy*

ARTHUR DAVID KARLIN, B.S., New York University, 1961; M.S., 1962

*In Agricultural Economics*

DARREL A. NASH, B.S., Colorado State University, 1958; M.S., Montana State College, 1960

*In Agronomy*

HARRY LEE MOTTO, B.S., Purdue University, 1957; M.S., 1959

EUGENE GLEN SIEMER, B.S., M.S., Colorado State University, 1950, 1961

WILLIAM JOEL STARNES, B.S., Purdue University, 1958

FRANK DUANE WHISLER, B.S., M.S., West Virginia University, 1957, 1958

*In Animal Science*

RIEMOND HENRY RIPPEL, JR., B.S., M.S., Southern Illinois University, 1959, 1960

*In Biophysics*

DANIEL RUBINSTEIN, B.S., M.S., 1958, 1960

RONALD JOSEPH SWALLOW, B.S., 1956

*In Botany*

MARGARET KAIN BALBACH, A.B., Emmanuel College, 1946; A.M., Radcliffe College, 1950

DONALD ALVIN LEVIN, B.S., M.S., 1960, 1962

THOMAS NORWOOD TAYLOR, A.B., Miami University, 1960

*In Business*

SHAWKI HUSSIEEN ABDALLAH, B.Com., M.Com., Cairo University, 1952, 1958

SAMI MOHAMED ABDELLA, B.Com., Cairo University, 1957; M.S., 1962

NAZIR AHMAD ANSARI, B.Com., M.Com., Banaras Hindu University, 1955, 1957

JACK CRAIG ROUTSON, B.S., M.S., University of Colorado, 1947, 1948

DANIEL ALAN WREN, B.S., M.S., University of Missouri, 1954, 1960

*In Ceramic Engineering*

JAMES FREDERICK BENZEL, B.Cer.E., Georgia Institute of Technology, 1957; M.S., 1963

CHARLES KRUMBACH RUSSELL, B.S., M.S., 1951, 1953

*In Chemical Engineering*

RICHARD BERT AUST, B.S., Carnegie Institute of Technology, 1960; M.S., 1962

LEONARD SELWYN COHEN, B.S., Tufts University, 1957; M.S., Massachusetts Institute of Technology, 1959

RICHARD LARRY MERSON, B.S., University of California (Berkeley), 1960; M.S., 1962

*In Chemistry*

SONIA RUTH ANDERSON, B.S., University of Nebraska, 1961

GILBERT WITTEN BURTON, B.S., University of California (Berkeley), 1958

SHIRLEY SHIAO-LING CHEN, B.S., National Taiwan University, 1960; M.S., Ohio University, 1961

MELVIN LEE FARMER, A.B., Harvard College, 1960

WILLARD WAYNE HARRISON, A.B., A.M., Southern Illinois University, 1958, 1960

WARREN WOOD LANIER, JR., B.S., University of Georgia, 1959; M.S., 1961

THOMAS MELVILLE LATTI, A.B., Princeton University, 1960; M.S., 1962  
BRIAN RUSS O'CONNOR, B.S., Massachusetts Institute of Technology, 1960  
ALAN NEWTON SCOTT, B.Mus., A.B., Northwestern University, 1951, 1958; M.S., 1962  
ALLAN RUDOLPH STEIN, B.S., University of Alberta, 1960  
JACOB JOHN UEBEL, A.B., Carthage College, 1959; M.S., 1961  
JACK ALAN WINSTEAD, B.S., University of Kentucky, 1954; M.S., Oklahoma State University, 1959

*In Civil Engineering*

AMOS ATLAS, B.S., Ingenieur, Technion, Israel Institute of Technology, 1951, 1952; M.S., 1958  
RONALD EUGENE BUCKNAM, A.B., B.S., Tufts University, 1958, 1959; M.S., 1960  
JORGE ISAAC BUSTAMANTE, Civil Engineer, National Autonomous University of Mexico, 1956; M.S., 1957  
BERNARD ANTHONY DONNELLAN, B.E., University College (Dublin), 1955; M.S., University of Alberta, 1959  
STEWART WILLARD JOHNSON, B.S., South Dakota State College, 1956; A.B., University of Maryland, 1961; M.S., 1962  
VANGALAMPALAYAM CHELLAPPAFOUNDER KULANDAI SWAMY, B.Eng., Andhra University, 1951; M.Tech., Indian Institute of Technology, 1956  
WALTER PARKER MOORE, JR., A.B., B.S., Rice Institute, 1959, 1960; M.S., 1962  
SUNDARESA RAMASESHAN, B.Eng., University of Madras, 1957; M.S., 1961  
DENNIS HENRY SAFF, B.S., M.S., 1955, 1959  
DONALD ROY SHERMAN, B.S., M.S., Case Institute of Technology, 1957, 1960

*In Communications*

HERBERT GOODRICH, B.S., City College of New York, 1948; A.M., Pennsylvania State University, 1950  
THOMAS HENRY GUBACK, A.B., Rutgers, the State University, 1958; M.S., 1959

*In Dairy Science*

EVAN EARL JONES, B.S., Colorado State University, 1960; M.S., 1962  
FRANK ALWIN VERLEY, B.S., University of Connecticut, 1959; M.S., 1960

*In Economics*

GEORGE FRANKLIN CURRIE, A.B., Wilberforce University, 1949; A.M., 1951  
WARREN CLAYTON HALL, JR., B.S., A.M., University of Missouri, 1954, 1955  
ARLYN JAMES LARSON, Ph.B., A.M., University of North Dakota, 1955, 1956  
EUGENE ALBERT PHILIPPS, B.S., M.S., 1958, 1960  
LARRY GENE SCONTZ, A.B., College of Wooster, 1958; A.M., 1961  
FA-CHUN SHEN, LL.B., National Wu-Han University, 1944; A.M., University of California (Los Angeles), 1951  
THOMAS MARTIN STEVENSON, JR., A.B., A.M., Southern Illinois University, 1956, 1959

*In Education*

GEORGE BRABNER, JR., A.B., Yale University, 1948; M.S., 1953  
BRIAN STEPHEN CRITTENDEN, A.B., A.M., University of Sydney, 1960, 1962  
KAZUTAKA FURUHATA, A.B., A.M., University of Tokyo, 1954, 1956  
JOHN LINCOLN GINTHER, B.Ed., University of Toledo, 1957; Ed.M., 1962  
GERALD LEE GUTER, A.B., A.M., 1957, 1959  
WILLIAM THOMAS HALE, A.B., Bates College, 1953; Ed.M., 1954  
SAYED AHMED OSMAN, A.B., Cairo University, 1952; M.S., 1961  
PAUL LIMING SCHWADA, B.S., Northeast Missouri State Teachers College, 1938; Th.B., Olivet Nazarene College, 1941; A.M., University of Chicago, 1943

*In Electrical Engineering*

HERBERT MARVIN BARNARD, B.S., M.S., Texas A & M University, 1955, 1960  
KENNETH EDWARD BATCHER, B.S., Iowa State University of Science and Technology, 1957; M.S., 1962  
SHIH-MEI CHENG, B.S., National Taiwan University, 1957; M.S., 1961  
JAMES EDWARD DEGENFORD, B.S., M.S., 1960, 1961  
RALPH RICHARD HODGES, JR., B.S., M.S., 1955, 1957

MATTHEW KABRISKY, B.E.E., M.E.E., Polytechnic Institute of Brooklyn, 1951, 1952

ROBERT KEITH LIKUSKI, B.S., University of Alberta, 1959; M.S., 1961

JOHN PHILIP MCCLURE, B.S., M.S., 1958, 1959

HWA-SUNG HSIEH NA, B.S., National Taiwan University, 1958; M.S., 1961

JAMES RICHARD PACE, B.S., M.S., 1959, 1960

JOHN MATTHEW SCHNEIDER, B.S., M.S., 1959, 1960

HARRY ALFRED SHUBERT, B.S., M.S., 1957, 1958

SOE MYINT WIN, B.S., M.S., 1957, 1958

#### *In English*

RONALD EUGENE BUCKALEW, A.B., College of Wooster, 1957; A.M., 1959

PAULINE SUE DRAWVER, A.B., A.M., University of Oklahoma, 1939, 1940

GEORGE ROBERT GUFFEY, B.S., Bowling Green State University, 1958; A.M., 1960

HELEN ELLIS HAWORTH, A.B., Rollins College, 1949; A.M., 1952

MARY ALICE HEAGARTY, A.B., Seton Hill College, 1958; A.M., 1960

ROBERT CARL JOHNSON, A.B., Monmouth College, 1959; A.M., 1960

RONALD CONANT JOHNSON, A.B., A.M., 1952, 1957

MARGARET CLARE SCHLAEGER, A.B., A.M., 1955, 1957

#### *In Entomology*

REINHART ALBERT BRUST, B.S., M.S., University of Manitoba, 1959, 1960

EARL ALFRED STADELBACHER, A.B., Southern Illinois University, 1956

#### *In Food Science*

MASANOBU JANADO, B.Agr., Miyazaki University, 1958; M.Agr., Kyoto University, 1960

MURRAY JAYE, B.S.A., University of Georgia, 1959; M.S., 1961

#### *In Geography*

WILLIAM ARTHUR VALENTINE CLARK, A.B., A.M., University of Canterbury, 1960, 1961

JAMES ROBERT McDONALD, A.B., Antioch College, 1955; A.M., 1956

#### *In Geology*

PETER ALEXANDER CARR, A.B., University of Toronto, 1959

REGINALD HUGH GRICE, A.B., A.M., University of Cambridge, 1949, 1954

SAMUEL SEH-SHUE LEUNG, B.S., National Taiwan University, 1957; M.S., 1960

WILLIAM ALLISON MENELEY, B.Eng., M.S., University of Saskatchewan, 1956, 1960

JAMES HERBERT SHEA, B.S., M.S., University of Wisconsin, 1958, 1960

#### *In History*

DAVID ROGER WRONE, B.S., A.M., 1958, 1959

#### *In Horticulture*

NAIL H. ÖZEROL, Agr.Engr., Ankara University, 1956; M.S., 1960

#### *In Library Science*

MOHAMED MOHAMED EL-HADI, A.B., Cairo University, 1957; M.S., 1960

LAUREL ANN GROTZINGER, A.B., Carleton College, 1957; M.S., 1958

JESSIE CARNEY SMITH, B.S., Agricultural and Technical College of North Carolina, 1950; A.M., Michigan State University, 1956; A.M., George Peabody College for Teachers, 1957

#### *In Mathematics*

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 GERALDINE JOAN KOMOSA PIORKOWSKI, B.S., A.M., 1958, 1961  
 PETER HANS SCHÖNEMANN, Vordiplom, University of Munich, 1956; Hauptdiplom, University of Göttingen, 1959  
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- NILAY CHAUDHURI, B.Eng., University of Calcutta, 1953; M.Eng., Jadavpur University, 1961  
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*In Sociology*

- BRUCE KENT ECKLAND, B.S., A.M., 1957, 1960

*In Spanish*

- MARION PERRY HOLT, A.B., Wofford College, 1949; A.M., Vanderbilt University, 1950

*In Speech*

- TURNER WILSON EDGE, A.B., University of Delaware, 1955; A.M., Cornell University, 1957  
 GEORGE ALBIN REMINGTON, A.B., A.M., 1946, 1952  
 HADDON WILLIAM ROBINSON, A.B., Bob Jones University, 1951; M.Th., Dallas Theological Seminary, 1955; A.M., Southern Methodist University, 1960

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- WILLIAM BENJAMIN BICKFORD, B.S., M.S., Kansas State University, 1960, 1961  
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 GEORGE EARL SLITER, B.C.E., Manhattan College, 1960; M.S., 1962  
 GEORGE TAKASHI TAOKA, B.S., Oregon State College, 1958; M.S., 1960  
 DALE BRUCE TAULBEE, B.S., M.S., Michigan State University, 1958, 1960

*In Veterinary Medical Science*

- JAMES EDWARD FITZGERALD, B.S., D.V.M., M.S., 1953, 1955, 1962  
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*In Zoology*

- JACQUES BERGER, B.S., Pennsylvania State University, 1955; M.S., 1958

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- DONALD WAYNE BUCKLEY, B.S., Western Illinois University, 1946; Ed.M., 1953  
 DAVID FRANKLIN BYRNE, B.S., M.S., 1948, 1949  
 JAMES DUDLEY, A.B., M.S., Southern Illinois University, 1951, 1957  
 ROBERT L. EVANS, B.S., Northern Illinois University, 1950; M.S., 1951  
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 DALE G. HARDMAN, B.S., Brigham Young University, 1943; A.M., University of Chicago, 1951  
 ROBERT LEE JOZWIAK, B.S., Miami University, 1953; Ed.M., 1957  
 WILLIAM MATTHIAS, JR., A.B., Eureka College, 1950; Ed.M., 1952  
 CAROLYN MAE NEAL, A.B., A.M., San Francisco State College, 1951, 1960  
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*In German*

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 JEAN HALL, B.S., University of London, 1959  
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MARVIN WILLIAM KARLIN, B.S., University of Arizona, 1953; Ed.M., University of California (Los Angeles), 1955  
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RONALD DEAN MOEHLIS, A.B., State College of Iowa, 1959  
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JAMES PARK PAIGE, A.B., Hastings College, 1960  
HARRY CLARENCE ROSENBERG, A.B., A.M., Colorado State College, 1956, 1957  
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SISTER MARY KRISTIN FELLIN, A.B., Mount St. Scholastica College, 1955  
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ALTON LOYD SMITH, B.S., Middle Tennessee State College, 1958  
NEAL RICHARD WAGNER, A.B., University of Kansas, 1962  
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HOYAL BURNICE WEST, A.B., Berry College, 1955; A.M., George Peabody College for Teachers, 1958  
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*In Philosophy*

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*In Political Science*

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*In Psychology*

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DIRAN DERMEN, B.S., Pennsylvania State University, 1960  
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RAYMOND PIERRE KESNER, B.S., Wayne State University, 1962  
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*In Social Sciences*

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VITO NICHOLAS BENIVEGNA, B.S.S., Fairfield University, 1957  
EDWARD EROS BORSOI, B.S., University of Bridgeport, 1959  
GERMAN DARIO CARRILLO SARMIENTO, Licenciado, Universidad Pedagogica de Colombia, 1960  
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RUTH MARY ROGERS, A.B., University of Kansas, 1962  
JANE URBAN TAYLOR, A.B., Northwestern University, 1962  
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*In the Teaching of English*

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*In the Teaching of Speech*

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**Degree of Master of Science**

*In Accountancy*

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*In Advertising*

ALAN DONALD FLETCHER, A.B., University of Georgia, 1962  
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*In Aeronautical and Astronautical Engineering*

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*In Agricultural Economics*

GOTTFRIED ABLASSER, Diplom-Ingenieur, University of Vienna, 1962  
CARLOS VENDER-DROGUETT, Ingeniero Agrónomo, Pontificia Universidad Católica de Chile, 1960

*In Agricultural Engineering*

- DOUGLAS BERT BAULING, B.S. (Agricultural Science), B.S. (Agricultural Engineering), 1962, 1962  
DOUGLAS LEROY BOSWORTH, B.S., Iowa State University, 1962  
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*In Agronomy*

- ANTHONY AKINOLA AGBOOLA, B.S., 1963  
EDWARD JAMES DUNPHY, B.S., 1962  
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GERALD KIDDER, B.S., University of Southwestern Louisiana, 1961  
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*In Animal Science*

- RICHARD LEE HUSTON, B.S., 1961  
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*In Architectural Engineering*

- DAVID GLENN CHAMP, B.Arch., 1962  
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*In Biology*

- SANDRA LOU BRESSLER, B.S., Albright College, 1960  
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*In Biophysics*

- WILLIAM ROBERT KLESSE, B.S., 1962  
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*In Botany*

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*In Ceramic Engineering*

- CHARLES MARTIN ASLAKSEN, B.S., 1963  
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*In Chemical Engineering*

- RONALD LEE CLENDENEN, B.S., University of California (Berkeley), 1960  
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*In City Planning*

- HERBERT RAYMOND HAAR, JR., B.S.C.E., Virginia Polytechnic Institute, 1949  
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*In Civil Engineering*

- GORDON FRANCIS ANDERSON, B.S., University of Alberta, 1962  
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 MOHAMMED JAVAD ESKANDANI, B.S., University of Tennessee, 1961  
 DELROY JEPHTAH FORBES, B.S., Illinois Institute of Technology, 1964  
 JAY CLIFFORD FRANZ, B.S., United States Military Academy, 1959  
 RICHARD HOLT GATES, B.S., United States Military Academy, 1960  
 JOHN CHARLES GLENNON, B.S., 1963  
 WAYNE THOMAS GRUEN, B.S., A.B., 1963, 1963  
 MOHAMED FAYIK ABD EL-RAZZAK HOWEEDY, B.C.E., Cairo University, 1959  
 CLAUDE HENRY HURLEY, B.S., 1963  
 YOUSSEF KHATOUN, B.S., University of Texas, 1963  
 ORLANDO ARTHUR KRUEGER, B.S., 1951  
 JOHN YOUNG LAI, B.S., University of the Philippines, 1962  
 DONG WOO LEE, B.E., Chosun University, 1959  
 YIU-CHUNG LI, B.A.Sc., University of Toronto, 1963  
 CHARLES ROBERT MAREK, B.S., 1963  
 JAMES EDWARD MCNEILL, B.C.E., North Carolina College of the University of North Carolina, 1956  
 RICHARD ALBERT MILES, B.S., Utah State University of Agriculture and Applied Science, 1961  
 JOHN LEWIS MOONEY, B.S., Drexel Institute of Technology, 1962  
 JOHN DOUGLAS MULLIKIN, B.S., Bradley University, 1962  
 FARHAD NAGHDI, B.S., 1963  
 ROBERT LEROY NICKERSON, B.S., Bucknell University, 1958  
 RICHARD EUGENE NORTON, B.C.E., Rensselaer Polytechnic Institute, 1960  
 EDWARD SPENCER PERRY, B.S.E., Princeton University, 1956  
 RICHARD LOUIS PLAMBECK, B.S., 1963  
 QUENTIN D. QUIGLEY, B.S., Oklahoma State University of Agriculture and Applied Science, 1950



COLIN BARRY MACDONALD REED, A.B., University of Cambridge, 1963  
JACK HERBERT RIDER, B.C.E., University of Delaware, 1962  
JOHN LYNDON ROSENBLAD, B.S., University of Texas, 1963  
JAMES BURSE ROYCE, B.S., United States Military Academy, 1961  
WILLIAM EUGENE SELTZ, B.S., United States Military Academy, 1961  
JOHN ARTHUR TREMORE, B.S., 1962  
EMILE WILLIAM JOHN TROUP, B.S., Northeastern University, 1962  
WILLIAM AUSTIN WELSH, JR., B.S., Swarthmore College, 1961  
RICHARD ROY WHITNEY, B.S., 1963  
ROBERT FRANCIS ZIELINSKI, B.S., United States Military Academy, 1961

*In Commercial Teaching*

VELMA GRACE AMLING, A.B., Valparaiso University, 1958  
PEGGY ANN ENGELHARDT, B.S., MacMurray College, 1962

*In Dairy Science*

WILLIAM ALLEN APPELBAUM, B.S., Cornell University, 1962  
SAMUEL ROBERT ATAI, B.S., 1963  
HAROLD LELAND KINCAID, B.S., 1962  
KUNITAKE KOYAMA, B.S., Hokkaido University, 1959

*In Dairy Technology*

N. R. SUNDARARAJAN, B.S., University of Madras, 1956

*In Economics*

ABD ALLAH ABD EL-HALIM-AHMED ABO-BAKER, B.Com., Ain Shams University, 1960  
MICHAEL AUBREY STEVENSON BLURTON, B.Com., Sir George Williams University, 1962  
EDWIN TREMAIN BRADLEY, JR., B.S., University of Rhode Island, 1962  
RICHARD JOHN DEERING, B.S., Carroll College (Wisconsin), 1963  
WILLIAM LYNN HOLMES, B.S., 1963  
PHAN HUY KIEM, B.S., 1962  
MABID ALI MOHAMED MAHMOUD, B.Com., Cairo University, 1960  
JOHN BLAIR McMANUS, B.S., Auburn University, 1961  
NICHOLAS MICHAS, A.B., University of Alberta, 1963  
LANNY EVAN STREETER, A.B., Oberlin College, 1962  
MELVILLE ZACUTA WOLFSON, B.S., Louisiana State University (New Orleans), 1963

*In Education*

BARBARA BISBEE CLARK, A.B., Rockford College, 1957  
JOHN ROMNEY PYPER, A.B., Brigham Young University, 1961

*In Electrical Engineering*

JAMES CHARLES AGUE, B.S., 1963  
JOHN JERRY ARMSTRONG, B.S., United States Naval Academy, 1962  
ROBERT LEIGH BARNETT, B.S., Case Institute of Technology, 1963; A.B., Oberlin College, 1963  
ALBERT GEORGE BREJCHA, B.S., 1963  
GARY SANDY BROWN, B.S., 1963  
YILMAZ CAN, B.S., University of Kentucky, 1962  
THOMAS FREDERICK CECIL, B.S., University of Kentucky, 1962  
ARTHUR JOHN COLLMEYER, B.S., 1963  
THOMAS FRANCIS CURRAN, B.S., 1960  
FRANK RUSSELL DENTON, JR., B.S., State University of New York College at Albany, 1955  
RODNEY DWIGHT ELMORE, B.S., 1962  
GARY NORMAN FIERSTIEN, B.S., 1963  
DALE ARTHUR FOGLE, B.S., 1963  
THOMAS EDWARD FORD, B.S., 1963  
RODERICK GEORGE FUJAROS, B.S., University of Alberta, 1963  
WILLIAM JEFFREY GREGER, B.S., Lafayette College, 1963  
RICHARD ELMER HERSKIND, B.S., Northeastern University, 1962

- KENNETH JABLINSKEY, B.S., 1963  
JOHN TERENCE JACOBS, B.A.Sc., University of Toronto, 1962  
WILLIAM QUENTIN JEFFERS, B.S., Massachusetts Institute of Technology, 1961  
CHARLES DEAN JOHNSON, A.B., College of St. Joseph on the Rio Grande, 1954;  
B.S., United States Air Force Institute of Technology, 1956  
JAMES FRANK KAUFFMAN, B.S., University of Missouri School of Mines and  
Metallurgy, 1960  
WILLIAM FLOYD KEENAN, B.S., 1963  
CHONG SUNG KIM, B.S., 1963  
JOSEPH MACKOVJAK, B.S., 1961  
EDWARD ABRAHAM MARK, B.S., 1963  
JOHN EDWARD MORONEY, B.S., 1963  
OWEN SMOOT NIBLEY, B.S., United States Military Academy, 1950; A.M., George  
Washington University, 1958  
WILLIAM JAMES PARKER, JR., B.S., University of Maryland, 1963  
FREDERICK ALEXANDER ROBERTS, National Cert., Higher National Cert., Acton  
Technical College (London), 1948, 1955  
HOLLIS FRANKLIN RYAN, B.A.Sc., University of Toronto, 1962  
ROBERT ALLAN SMITH, B.S., University of Alberta, 1963  
CARL FREDERICK STUBENRAUCH, B.S., 1962  
PAUL GLENNON WEINGAND, B.S., 1963  
TOSHIYUKI YAMADA, B.S., University of Tokyo, 1961

*In Entomology*

- JAMES LOUIS KRYSAN, A.B., Iowa State Teachers College, 1961

*In Finance*

- MARVIN ARTHUR HANSEN, B.S., 1960  
WILLIAM FREDERICK LANDSEA, B.S., 1961  
GORDON PETER WILSON, A.B., 1963

*In Food Science*

- ANTHONY JOSEPH CUTALA, B.S., 1961  
MOON JA KIM, B.S., Seoul National University, 1958  
ALBERT JOSEPH LAMBERT, B.S., Loyola University (Illinois), 1960

*In Forestry*

- RONALD LEE RUSSELL, B.S., 1960

*In Geology*

- PETER CHAPIN TRESCOTT, A.B., Williams College, 1962

*In Health Education*

- ARTHUR JUDE TRYBEK, B.S., 1961

*In Home Economics*

- LEONA ANN KOCHER, B.S., 1962  
MARY ANNE PURDY WINSTEAD, B.S., University of Kentucky, 1956

*In Horticulture*

- ROY THOMAS GREGORY JENKINSON, B.S., 1963  
ARTHUR DALRYMPLE LEASURE, B.S., 1957  
RALPH LAWRENCE SNODSMITH, B.S., 1963

*In Journalism*

- JON KURT HAHN, A.B., 1962

*In Library Science*

- LOIS WICKHAM BEEBE, B.S., State University of New York College at Geneseo,  
1957  
VERNA JUNE CARTER, B.S., Purdue University, 1962  
LAURA ALICE CHRISTOPHER, A.B., University of California (Berkeley), 1963  
DONALD PAUL CHVATAL, A.B., St. John's University (Minnesota), 1963  
MARGARET ROSALIE CUNEO, A.B., Mills College, 1962

MARGARET CHRISTY DANZIGER, B.Mus.Ed., College of Wooster, 1960  
 ROSETTA ALICE DAUGHERTY, A.B., Southeast Missouri State College, 1963  
 ELAYNE SCOOFKES ERICKSON, A.B., 1959  
 CECIL PHILLIPPA FRAY, Diploma, University College of Ireland, 1943; A.B., University of Dublin, 1951; D.V.P.H., University of Toronto, 1954  
 SHELIA SMITH FRETWELL, A.B., State University of Iowa, 1960  
 ALMEDA GARN, A.B., Cornell College, 1961  
 WILMA JEAN GEIL, A.B., Swarthmore College, 1961  
 CAROLYN RUTH GRUNDY, A.B., Grove City College, 1963  
 ELLEN JOYCE HERR, A.B., Sioux Falls College, 1963  
 JUDITH ANNE HICKMAN, B.S., Purdue University, 1963  
 AMRIT LAL KAPOOR, A.B., A.M., Panjab University, 1951, 1953; Diploma, M.L.S., University of Delhi, 1955, 1960  
 JUDITH FRANCES KUZEL, A.B., Cardinal Stritch College, 1963  
 DONALD LEE LANIER, B.S., Oklahoma Baptist University, 1961  
 LEE HARRIET LAWRENCE, A.B., Indiana University, 1960  
 ANITA EMMA LIDEN, A.B., Augustana College (Illinois), 1963  
 NANCY RU-WOEI LIN, B.Ed., Taiwan Normal University, 1960  
 MARIE ANN HERMON LONG, A.B., Kansas State University, 1961  
 ROSE MARY MAGRILL, B.S., A.M., East Texas State College, 1960, 1961  
 EILEEN BARBARA McNAMARA, A.B., Bradley University, 1963  
 HELEN LEDFORD MITCHELL, A.B., University of Kansas City, 1963  
 JESSE SPIKER MULLEN, A.B., University of Missouri, 1963  
 KENNETH LEROY NABORS, A.B., Washington University, 1952; A.M., University of Minnesota, 1956  
 BREWSTER PORCELLA, A.B., Wheaton College, 1943; B.D., Faith Theological Seminary, 1950; A.M., Wheaton College, 1952  
 MARJORIE ELLIOTT RUNGE, A.B., Beloit College, 1960  
 SANDRA EPFLER SCHIELD, A.B., Long Beach State College, 1963  
 MARIA SVORENICK, B.S., Indiana University, 1960  
 MARGARET LYNN THRASHER, A.B., University of Kansas, 1961  
 MARY FRANCES TUNISON, A.B., Blackburn College, 1963  
 SUSAN FINLEY WIKOFF, A.B., 1963  
 WILLIAM JAMES WIMAN, A.B., Loras College, 1959  
 FLORENCE ELLIE WOOD, A.B., 1963

#### *In Management*

HAMDY FOUAD ALY, B.Com., Cairo University, 1960  
 GABRIEL MEDIALDEA GUINAND, B.S., M.S., 1960, 1961

#### *In Marketing*

RICHARD REX FISHER, B.S., 1963  
 JOSEPH FREDRICK TERRANOVA, B.B.A., University of Notre Dame, 1963  
 BURTON CHARLES USEN, B.S., 1962

#### *In Mathematics*

JACK KIRK ANDERSON, B.S., Illinois Institute of Technology, 1962  
 DONALD FREDERICK BEHAN, A.B., Cornell University, 1963  
 JOHN GRANT BERGMAN, B.S., 1962  
 MORRIS JACK DELEON, A.B., University of California (Los Angeles), 1963  
 VLADIMIR DROBOT, B.S., University of Notre Dame, 1963  
 CLIFFORD MEYER GERSTENHABER, B.S., Polytechnic Institute of Brooklyn, 1962  
 PHILIP FRANCIS GILBERT, B.S., St. Joseph's College (Indiana), 1952; A.B., St. Charles Seminary, 1960  
 ARNOLD DEAN HAMMEL, B.S., Central Michigan University, 1962  
 MARTIN ROBERT HOFFMAN, B.S., California Institute of Technology, 1963  
 HING-SUM HUNG, B.S., Stanford University, 1962  
 CHARLES VIRGIL JONES, B.S., Western Illinois University, 1963  
 ROBERT JOHN KUBALA, B.S., University of Chicago, 1962  
 BARBARA ANN KUNZE, B.S., Purdue University, 1963  
 RICHARD LOHMANN LUNDE, B.S., 1961  
 MAURICE LEE MONAHAN, B.S., South Dakota State College, 1956  
 MICHAEL REEDER MORRELL, B.S., 1963

ALAN MICHAEL NORRIS, B.S., 1962  
JAMES FRANK PRESTI, JR., B.S., Wheaton College (Illinois), 1962  
JULIUS MYRON ROTHSCHILD, B.S., 1963  
WILLIAM SHELTON SAMUEL, JR., B.S., Rensselaer Polytechnic Institute, 1938; B.D., Drew University, 1951  
ROBERT GEORGE STAUTE, JR., A.B., B.S., Brown University, 1963, 1963  
THOMAS ANTHONY TREDON, B.S., University of Wisconsin, 1963  
PAUL MICHAEL TYNER, B.S., 1962  
RENATE GOMPERTZ WATANABE, Licentiate, Pontifical Catholic University of São Paulo, 1952

*In Mechanical Engineering*

PHILLIP JEROME BATCHELOR, B.M.E., Marquette University, 1962  
WILLIAM ZACHERY BLACK III, B.S., 1963  
BURDETTE LESLIE BOERS, B.S., 1963  
EUGENE FRANCIS BROWN, B.S., University of Wisconsin, 1963  
WARD WILLIAM CARSON, B.S., Oregon State University, 1960  
STEPHEN COLBURN, B.S., 1963  
WILLIAM FRANK HAHN, B.S., Valparaiso University, 1962  
GERALD WILLIAM HARTKE, B.M.E., University of Dayton, 1962  
UFFE HINDHEDE, M.S., Technical University of Denmark, 1950  
ROBERT FRANK HURT, B.S., 1963  
BRAJ BHUSHAN JAIN, B.S., Agra University, 1948; B.Eng., University of Roorkee, 1952  
GLENN WILLARD KAHLE, B.S., University of Missouri, 1956  
THOMAS GEORGE LEYDON, A.B., University of Connecticut, 1953; B.S., 1964  
ROBERT LEOPOLD PIRMAN, B.S., 1961  
JOEL SLUTZKY, B.S. (Mechanical Engineering), B.S. (Electrical Engineering), 1962, 1962  
RICHARD DEAN STRUNK, B.S., Iowa State University of Science and Technology, 1958  
MILTON JOSEPH VAROUS, B.S., 1955  
CHI-HSIUNG WENG, B.S., Chinese Military Academy, 1960

*In Metallurgical Engineering*

FRANK YALE FRADIN, B.S., Massachusetts Institute of Technology, 1963  
RALPH WILLIAM LEONARD, B.S., 1963  
ROBERT CHARLES McALLISTER, B.S., Purdue University, 1959

*In Microbiology*

ZARRINE JAMSHED KERRAVALA, B.S., M.S., University of Bombay, 1956, 1959  
GRACE LIH-CHUIN LEE, B.S., National Taiwan University, 1960  
ROBERT STEVENS LONG, B.S., 1961  
REBEKAH KIN CHAO WONG WU, A.B., Catawba College, 1961

*In Music Education*

DUANE ADAIR BATES, B.Mus., University of British Columbia, 1962  
DONALD WILLIAM FRETTEY, B.S., 1962  
PAULINE HEINBERG GAGLIANO, B.Mus.Ed., Louisiana State University and Agricultural and Mechanical College, 1961  
NEAL MYRON HARRIS, B.Mus.Ed., Wisconsin State College (Stevens Point), 1963  
ALFORD JESSE HOLTON, JR., B.S., East Carolina College, 1963  
ROBERT STANLEY KENDRICK, B.Mus.Ed., Murray State College, 1963  
JAMES D. NELSON, B.S., 1963  
RUTH MARGUERITE STOFFEL, B.Mus., Oberlin College, 1963  
WILLIAM ARTHUR WADE, B.Mus.Ed., Southern Illinois University, 1961  
TOMMY HOWARD WARDLOW, B.S., 1962  
JEANINE HAYES ZENGE, B.Mus., Oberlin College, 1961

*In Nuclear Engineering*

GERALD PAUL BECK, A.B., Southwestern College, 1943; M.S., 1948  
CARL LOUIS FIES, B.S., University of Wisconsin, 1963  
LESLIE ALFORD HORVE, B.S., 1960  
GARY EDWARD JONES, B.S., 1962

MARCUS LLOYD MARLIN, B.S., 1963

JAMES WYATT PECK, B.S., United States Military Academy, 1958; M.S., 1963

*In Physical Education*

DOUGLAS BOELHOUWER, B.S., Rutgers, the State University, 1959

SHERRY LYNN BOVINET, B.S., Southern Illinois University, 1961

AGHDASS FARVAR, Licence, Teachers Training College (Iran), 1959

GRETCHEN LUELLA GLUESING, B.S., University of Dubuque, 1959

MELVIN HENRY GRUENSFELDER, B.S., 1943

DAVID HENRY MAYHAK, B.S., 1962

NELLES MCKIEE, A.B., University of Western Ontario, 1963

*In Physics*

ARTHUR ROGER COOKE, B.S., Massachusetts Institute of Technology, 1962

THOMAS EDWARD FITZPATRICK, B.S., Washington University, 1962

JOHN MILLS FOULK, A.B., Thiel College, 1962

JAY RICHARD FRIEDMAN, B.S., Worcester Polytechnic Institute, 1962

MICHAEL LOUIS GEORGE, A.B., University of California (Los Angeles), 1962

FRANCISCO ALCIDES GERMANO, Electronics Engineer, Instituto Tecnológico de Aeronautica (Brazil), 1960

DONALD URBAN GUBSER, B.S., 1963

PIL SUN HAN, B.S., Seoul National University, 1960

DENNIS PAUL HERZO, A.B., Rutgers, the State University, 1962

GERALD EUGENE HITE, B.S., Case Institute of Technology, 1962

JOSE KATZ-MASSON, B.S., 1963

STEPHEN EDWARDS KIERGAN, A.B., Rice University, 1962

SUNG JIN KIM, B.S., Korean Military Academy, 1955; A.B., Seoul National University, 1959

MARCUS LIEBERMAN, B.S., Illinois Institute of Technology, 1963

TERRY GLENN MAHURON, B.S., Purdue University, 1963

FREDERICK IRA MANN, B.S., Pennsylvania State University, 1963

LAUREN RICHARD MATHER, B.S., Harvey Mudd College, 1963

NASRALLAH FARES NASRALLAH, B.S., American University of Beirut, 1961

HAROLD CLAUDE POTTER, B.S., Illinois Institute of Technology, 1963

GEORGE HERBERT NEEDHAM RIDDLE, A.B., Princeton University, 1962

CHARLES ALVA ROGERS, A.B., Northwestern University, 1963

BRUCE MICHAEL SALVESEN, A.B., Ripon College, 1962

MILO ARVID SCHIELD, B.S., Iowa State University, 1962

DAVID EUGENE STANFEL, B.S., 1963

ULRICH STROM, B.S., Kansas State University, 1963

GERALD EDWARD THIEL, A.B., University of Wisconsin, 1963

THOMAS ANTHONY TUMOLILLO, B.S., 1963

JOHN DANIEL WEST, B.S., Roosevelt University, 1962

ROBERT HSIANG-TAO YEH, B.S., National Taiwan University, 1960

*In Physiology*

WILLIAM LEWIS EPPERSON, B.S., 1962

PETER GARRISON HANSON, B.S., University of Wisconsin, 1958

JANET ARLENE HARRIS, B.S., Otterbein College, 1962

KENNETH JAMES KANT, B.S., Ohio State University, 1958

BARRY RICHARD RIFKIN, B.S., Ohio State University, 1961

JOSEPH HENRY SZURSZEWSKI, B.S., Duquesne University, 1962

*In Plant Pathology*

CLINTON FREDERICK HODGES, B.S., 1962

DONALD HOWARD SCOTT, B.S., Purdue University, 1956

*In Radio and Television*

RICHARD GARWOOD BATTLES, JR., B.S., 1959

WILLIAM TARRANT DALE, A.B., University of Minnesota, 1956

FRANCIS PATRICK O'CONNOR, B.S., University of Wisconsin, 1950

*In Recreation*

- EDGAR LESLIE BARTH, A.B., William Jewell College, 1958  
JOHN ALLEN CARROLL, B.S., University of Arizona, 1959  
LAWRENCE WILLARD GAHAN, B.S., 1960  
SAMUEL EUGENE HILL, B.S., 1959  
LLOYD JAMES PAULSON, B.S., Wisconsin State College (La Crosse), 1956  
WILLIAM FRANCIS ROBINS, B.Mus.Ed., Murray State College, 1955  
LUCILE NITSCHKE TAYLOR, B.S., Purdue University, 1947  
JAMES LYNN WALKER, B.S., 1963  
PENELOPE JANE WHEELER, B.S., Southern Illinois University, 1963

*In Sanitary Engineering*

- KALYANPUR YESHAVANTHA BALIGA, B.Eng., University of Madras, 1958  
CHU-CHUAN HSU, B.S., Taiwan Provincial Cheng Kung University, 1959

*In Speech Correction*

- JANE OYSTER GOEBEL, B.S., Ohio State University, 1958  
DONALD ROBERT GREWELL, B.S., Eastern Illinois University, 1961  
JACK LESTER RUDIO, A.B., Montana State University, 1962

*In Statistics*

- TOON QUEE WONG, B.S., Nanyang University, 1961  
KIM YEW YAP, B.S., Nanyang University, 1961

*In the Teaching of Biological Sciences and General Science*

- ROBERT LLOYD ARTEMAN, B.S., Illinois State University at Normal, 1961  
MARGARET HIND JENSEN, B.S., 1961  
WAYNE EUGENE MATHIS, B.S., Illinois State University at Normal, 1960  
ROBERT WILLIAM RAKITAN, B.S., 1961  
CARL JAMES SCAFIDI, B.S., 1963  
WILLIAM DALE UNVERFERTH, B.S., 1961  
CATHERINE SUE WINELAND, B.S., 1963

*In the Teaching of Mathematics*

- KENNETH ROBERT CONKLIN, B.S., 1962  
FRED O. FLENER, B.S., 1963  
PAUL EDWARD HALAC, B.S., 1963  
CLAUDE RICHARD KRAMER, B.S., 1963  
BEVERLEY EVAN MOCHEL, A.B., Cornell University, 1962  
QUENTIN EUGENE NOREM, B.S., 1940  
BETTY LEE WITHERS, A.B., 1963

*In Theoretical and Applied Mechanics*

- RONALD ERNEST HUDSON, B.S., United States Military Academy, 1958; M.S., 1963  
GEORGE ROGERS ROBERTSON, B.S., United States Military Academy, 1958; M.S., 1963  
ROBERT EDWARD ROWLANDS, B.A.Sc., University of British Columbia, 1957  
RICHARD ALLEN WENGLARZ, B.S., 1963  
JACK CLEVELAND WILEY, B.S., Purdue University, 1962

*In Veterinary Medical Science*

- WILLIAM FRANK SCHROEDER, B.S., University of Wisconsin, 1944; D.V.M., Iowa State University, 1949  
RICHARD FRANKLIN WALLIN, B.S., D.V.M., 1961, 1963  
GUANG-TSAN WANG, B.S., National Taiwan University, 1958

*In Zoology*

- VICTOR BUKA EICHLER, B.S., 1963  
CLAUDINE FERN LOWDER LONG, B.S., Kansas State College (Pittsburg), 1960  
SHARON CHALFANT McDONALD, B.S., 1961

*Degree of Master of Music*

- DAVID EISEMAN, A.B., University of California (Berkeley), 1963

FU-TING KIANG, A.B., University of California (Berkeley), 1962  
 CHARLES EDMUND KOCH, JR., B.Mus., University of Houston, 1962  
 JEREMY LUSTIG, B.Mus., Oberlin College, 1963  
 RUDOLPH RONALD MATAS, B.Mus., 1963  
 MICHAEL RICHARD ROGERS, B.Mus., 1963  
 LARRY JOSEPH SOLOMON, A.B., Allegheny College, 1962  
 KARIN ANNA SWANSON, A.B., University of Minnesota, 1961  
 LOREN CHARLES TICE, B.Mus., College of Emporia, 1961  
 LAURINE ROSETTA ZAUTNER, B.Mus., Lawrence College, 1962

### Degree of Master of Education

HAROLD WICKLIFFE ADKINS, B.S., Eastern Illinois University, 1950  
 MARY LOU DOYLE ALLISON, B.S., 1959  
 EARL LAVERNE ANDERSON, B.S., Illinois State University at Normal, 1960  
 MILDRED BANGERT ANGELO, B.S., 1961  
 EILEEN JONES BAPST, B.S., Illinois State University at Normal, 1950  
 JOAN MARKS BARTHOLOMEW, B.S., North Dakota State University, 1954  
 THOMAS ANTHONY BEATTIE, B.S., Cornell University, 1950  
 JOHN HOWARD BEATY, B.S., 1957  
 DONALD AMES BENDER, B.S., 1961  
 MAX WHITE BRANTNER, B.S., Northern Illinois University, 1952  
 KENNETH LEE BRYNJOLFSSON, A.B., 1961  
 MARY ALICE HARGRAVE BUNDY, B.S., Southern Illinois University, 1952  
 ROGER KENT BUSHDIECKER, B.S., 1961  
 HARRIETT MITCHELL CAMPBELL, A.B., Central College, 1930  
 ALAN REMINGTON CARLSON, A.B., 1962  
 HELEN GRUBB CARPENTER, B.S., 1956  
 CYNTHIA LISANN COHENOUR, B.S., 1963  
 CAROL ANN COIN, A.B., Augustana College (Illinois), 1951  
 WILLIAM ROBERT COLE, B.S., 1963  
 GEORGIA PASEK COOK, A.B., Eastern New Mexico University, 1959  
 HARVIN ANDRÉ COOK, B.S., 1958  
 FRANCES GERTRUDE CORRIGAN, A.B., College of St. Francis, 1951  
 DAREN LEE COX, B.S., 1957  
 BETTY CAUTHORN CRIST, B.S., Northwestern University, 1943  
 JEANNE MARIE DENT, A.B., Mount St. Agnes College, 1963  
 HARRY ROBERT ELKINS, B.S., 1962  
 THELMA SPECHT ELKINS, B.S., Illinois State University at Normal, 1950  
 DOROTHY EILEEN SMITH ERNST, B.S., Eastern Illinois University, 1951  
 GLYNNECE WILMINIA EUSTACE, A.B., Stowe Teachers College, 1948  
 DOROTHY LONG EVANS, B.S., Winston-Salem Teachers College, 1949  
 DALE HOMER FLACH, B.S., 1959  
 BARBARA BOLT FLETCHER, B.S., Miami University, 1956  
 DANNIE ELMER FRANKLIN, A.B., Harris Teachers College, 1959  
 CHARLES RICHARD FREDERICK, A.B., B.Th., B.S., Goshen College, 1951, 1952, 1953  
 MARILYN CAROL FREDERICK, B.S., 1962  
 HOWARD GARVER, B.S., 1961  
 FRANCES MARGUERITE GOLDING, A.B., Beloit College, 1955  
 RAYMOND JAMES GORNIK, B.S., Lewis College of Science and Technology, 1953  
 DONALD ROBERT GRAHAM, A.B., Valparaiso University, 1959  
 RUSSELL THOMAS HAINLINE, B.S., 1963  
 HOMER JOHNS HALVERSON, B.S., Wisconsin State College and Institute of Technology, 1956  
 DENVER WILBERT HANEY, B.S., University of Kentucky, 1947  
 RUTH LARAINA HARRIS, A.B., Greenville College, 1963  
 HOWARD ERVIN HARTKE, B.S., Bradley University, 1955  
 ANDREW JOHN HAUPTMAN, B.S., 1958  
 SALLY LANGHAAR HAVENS, B.S., 1960  
 NORMA KLINEINST HAWORTH, B.S., Ball State Teachers College, 1959  
 DARRELL GENE HELM, B.S., Millikin University, 1962  
 JUDITH FERNE LANE HESS, B.S., Southern Illinois University, 1962  
 RONALD FAY HOLLER, B.S., Millikin University, 1961  
 DANIEL HELGE HOLMES, B.S., Illinois State University at Normal, 1961

- CAROL AILEEN IVY, B.S., Northern Illinois University, 1959  
 PATRICIA ANN JANSSENS, A.B., Marycrest College, 1957  
 WILLIAM DONALD JOHNSON, B.S., Bradley University, 1962  
 PAUL WILSON JORDAN, B.S., Murray State College, 1955  
 JOAN MORTENSEN JOSEPHSON, A.B., Augustana College (South Dakota), 1954  
 JOHN BERNARD JOYCE, B.S., 1963  
 KINNEY KAAUMOANA KAMA, JR., A.B., Miami University, 1957  
 ANN KENWARD, A.B., 1960  
 MEL ROBERT KIELYKA, B.S., St. Bonaventure University, 1958  
 SHIRLEY QUIRING KNAUPP, B.S., Oregon State University, 1960  
 MYRNA MAE BARTELSON KNILANS, B.S., Illinois State University at Normal, 1959  
 MARJORIE GALLANTER KOPEL, A.B., Barnard College, 1956  
 PEGGY JOHNSON LIPPERT, A.B., University of Oklahoma, 1957  
 ELIZABETH HWAI-YING LIU, B.S., National Szechwan University, 1948; B.S.N., College of Mount St. Joseph on the Ohio, 1954  
 HILDA LIVEGOOD LLEWELLYN, B.S., 1940  
 RAYMOND ORLAND MADDOX, B.S., Illinois State University at Normal, 1961  
 CLARA BOW MCGOWAN MARTENS, B.S., University of Texas, 1951  
 CAROL NAOMI MATSUNAKA, B.Ed., University of Hawaii, 1962  
 CAROL ANN McCAFFREY, A.B., University of Portland, 1963  
 MARTHA SANDUSKY MERRITT, B.S., 1962  
 GWEN CAMPBELL MOLENAAR, B.S., Northern Illinois University, 1959  
 LEZLIE ANN MORGAN, B.S., 1961  
 SHARON ANN MORTON, B.S., Illinois State University at Normal, 1960  
 EDEN NICHOLAS, B.Mus., 1943; B.D., Northwestern Lutheran Theological Seminary, 1951  
 RICHARD LEE NIMZ, B.S., Illinois State University at Normal, 1962  
 CYNTHIA NOWAK, B.S., Northwestern University, 1963  
 SHARYN WEST PAIGE, B.S., University of Nebraska, 1960  
 HAROLD DEAN PIERCE, B.S., Northern Illinois University, 1960  
 WAYNE RAYNOR PILLEN, B.S., 1959  
 ROGER FLOYD POHLMAN, B.S., Iowa State University, 1959  
 THOMAS FRANCIS POWERS, B.S., Northwestern University, 1952  
 EVELYN RASMUSSEN REEDER, B.S., Northern Illinois University, 1955  
 WILBUR CORNELIUS RICH, B.S., Tuskegee Institute, 1960  
 KAROL LUNDIE SCHULTE, A.B., Michigan State University, 1961  
 FERREL ROY SEAMAN, B.S., Eastern Illinois University, 1955  
 ROSSIE JERRALD SHIVE, B.S., Illinois State University at Normal, 1958  
 IRENE GULLAN SLOTTOW, B.S., Maryland State Teachers College (Towson), 1944  
 MARY JOY STOECKL, B.S., 1961  
 JOE DEWEY STUTSMAN, B.S., Southern Illinois University, 1956  
 MARJORIE ANN SULLINS, B.S., 1963  
 WARREN NOBORU SUZUKI, B.S., 1963  
 SALLY ANN SWANSON, B.S., Illinois State University at Normal, 1959  
 SU ANN JOHNSTON THOMAS, B.S., 1961  
 CLARENCE REED TIPTON, JR., B.S., 1957  
 MARILYN ZEITER TUCKER, B.S., 1960  
 JOHN CARVER TURNER, B.S. (Agriculture), B.S. (Dairy Technology), 1955, 1959  
 MILDRED THURSTON TURNER, B.S., Franklin College of Indiana, 1957  
 MARY EMILY VAN HOUTTE, B.S., Western Illinois University, 1959  
 VIRGINIA RAGAR WAGGENER, B.S., Culver-Stockton College, 1959  
 RAYMOND EUGENE WHITEHEAD, B.Mus., DePaul University, 1958  
 BENNYE LUCILLE MORRIS WILDER, B.S., Alcorn Agricultural and Mechanical College, 1954  
 LOUISE ELAINE WINDMUELLER, A.B., Northern Illinois University, 1962  
 NANCY RUETHER WIRTZ, B.S., State University of New York College for Teachers (Albany), 1961  
 LOANNE LILLIAN WORTH, B.S., 1961  
 RUTH ANN HELMS WURZBURGER, B.S., Olivet Nazarene College, 1959  
 VERNIECE SYLVESTER YEAZEL, B.S., 1959

#### Degree of Master of Social Work

- ARTHUR MELVIN AFREMOW, A.B., 1955



MOLA CHARLOTTE ALPHONSE, A.B., Roosevelt University, 1958  
 MARY ROBERTS BAILEY, A.B., Johnson C. Smith University, 1962  
 ROGER IVAN BENDER, B.S., Illinois State University at Normal, 1962  
 MARIE LARSON BROOKER, B.S., Eastern Michigan University, 1957  
 JON ALFRED CHAPMAN, A.B., Michigan State University, 1962  
 THOMAS ALBERT COLBERT, A.B., Millikin University, 1958  
 LILLIAN BELLE COY, A.B., University of California (Berkeley), 1937; A.M., San Francisco Theological Seminary, 1942  
 NANCY WAGNER DELAP, A.B., Carroll College (Wisconsin), 1961  
 MANUEL DESNET, B.S., George Williams College, 1950  
 DONALD EUGENE DOWE, B.S., Illinois Wesleyan University, 1961  
 JOEL FISCHER, A.B., 1961  
 MARILYN JACOBS FLYNN, A.B., Roosevelt University, 1960  
 DOROTHY RIDDELL GREEN, B.S., University of Nebraska, 1948  
 BETTY KOSTIAL GUTSTADT, A.B., 1951  
 SANDRA BEVERLY HABUSH, B.S., University of Wisconsin, 1961  
 CAROL SCHMALZ HEMBROUGH, A.B., 1960  
 DAVID JOY HERRELL, A.B., University of Pennsylvania, 1958  
 CARROLL EUGENE HUGHES, A.B., Westmar College, 1955; B.D., Evangelical Theological Seminary, 1958  
 MARY JEAN JANSZYN, Ph.B., Loyola University (Illinois), 1942  
 JUDITH ANN JOHNSON, A.B., Beloit College, 1962  
 ADELE MAE KAUFMAN, A.B., Michigan State University, 1962  
 EDWARD PHILLIP KAUFMAN, A.B., 1962  
 CAROLYN FERN LITWILLER, A.B., Goshen College, 1961  
 EUGENE EDWARD LOVE, A.B., Dillard University, 1962  
 JAMES HENRY MACKEY, B.S., Florida Normal and Industrial Memorial College, 1950  
 TROY ANTHONY MAYR, B.S., 1962  
 DONALD JOSEPH MOCKENHAUPT, A.B., College of St. Thomas, 1962  
 BEVERLY KOEHLER OHREN, B.S., 1957  
 DONALD ALEXANDER PATON, B.S., Bradley University, 1952  
 WILLIAM QUINN PATTON, B.S., University of Minnesota, 1961  
 KARL PEMPER, B.S., 1958  
 DIANE CHRISTA PERSHING, A.B., 1962  
 SHEILA CATHERINE PLATT, B.S., 1961  
 ANN PALMER PRIORI, B.S., Loyola University (Illinois), 1961  
 KATRINA SCHUYLER REISBERG, A.B., Brooklyn College, 1957  
 DAVID LLOYD SEXTON, B.S., George Williams College, 1962  
 OLYMPIA DYER SPURLING, A.B., 1962  
 BARBARA LOU MILLER STONE, B.S., Northwestern University, 1949  
 MADELINE JEANNE TRAASTAD, A.B., St. Olaf College, 1962  
 EDITH BALCERIS VANAGUNAS, B.S., 1961  
 EUGENE ROBERT WILLIAMS, A.B., Millikin University, 1961  
 NATHALIE SILBERSTEIN WINKLER, A.B., Goucher College, 1942  
 CLORA DUMAS YOUNG, A.B., Oakwood College, 1949

### Degree of Master of Fine Arts

#### *In Landscape Architecture*

DONALD JOSEPH MOLNAR, B.F.A., 1960

#### *In Painting and Printmaking*

ALTA WHEAT ALBERGA, A.B., A.M., University of Wichita, 1953, 1954; B.F.A., Washington University, 1961  
 BETTY JANE DONAGHE, B.F.A., University of Texas, 1961  
 JAMES EMIL FAGAN, B.F.A., Bradley University, 1962  
 GARY DENNIS HAGEN, B.F.A., 1962  
 KENNETH WARREN LILLQUIST, B.F.A., 1962  
 ANJA KUOPPALA SCHRAG, B.F.A., 1959  
 JOHN GEORGE WISNOSKY, B.F.A., 1962

### Degree of Master of Laws

SURYA PRAKASH SINHA, B.Com., University of Poona, 1956; LL.B., University of Bombay, 1958; M.S., University of Arizona, 1962

**Degree of Master of Architecture**

RICHARD THOMAS BANKS, B.S., 1962  
WALTER EDWIN BLISS, B.Arch., 1963  
WICHIT CHARERNBHAK, B.Arch., Chulalongkorn University (Thailand), 1959  
THOMAS SHIGERU KATSUYOSHI, B.Arch., 1963  
LOUIS JOSEPH NARCISI, B.Arch., 1961  
ERNEST OTTO PORPS, B.Arch., 1961  
ADIB WAHBA WAHBY, B.Arch., Cairo University, 1956

**Degree of Master of Accounting Science**

PAUL RAYMOND ANDERSON, B.S., 1963  
DOUGLAS ROY CARMICHAEL, B.S., 1963  
CHING-LAN CHU, A.B., National Taiwan University, 1962  
PAUL EDWARD DUCKWORTH, B.S., 1963  
STEPHEN KENT EMERY, A.B., Baker University, 1963  
ANDREW AMIL HARIED, A.B., Hastings College, 1962  
RALPH ARTHUR HOFFMAN, B.S., 1963  
WILLIAM BRIGHT JOHNSON, B.S., 1963  
RICHARD LEE KEYSER, B.S., 1963  
DON GALEN LOCKHART, B.S., 1963  
THOMAS JOSEPH LOOBEY, A.B., Washington University, 1962  
OREN BERNARD MEYER, B.S., Northwestern University, 1962  
JAMES WARREN PELLOT, B.S., Miami University, 1963  
KENNETH SPENCER SMITH, B.S., University of Oregon, 1963  
VERNON KEITH SMITH, B.S., West Virginia Wesleyan College, 1963  
MICHAEL HANES WEATHERBEE, A.B., University of Dubuque, 1960  
GARY ELBERT WHITE, B.S., University of Colorado, 1963  
THOMAS DENNIS WHITE, B.S., 1963  
RONALD JOHN WITEK, B.S., 1963

**Degree of Master of Business Administration**

JERRY ANTON BILEK, JR., B.S., 1962  
PETER CLOUGH BULKELEY, B.S., 1962  
EDWARD JOSEPH CANNON, B.S., University of Wisconsin, 1959  
MICHAEL RICHARD CERVANTES, B.S., 1962  
PRISCILLA SHUI-FUNG CHOW, A.B., National Taiwan University, 1962  
ROBERT LOUIS GENDRY, B.S., Millikin University, 1962  
ELWYN FRANK HENNING, B.S., 1962  
RALPH THEODORE HOCKING, B.S., 1962  
KENNETH KAY KAUFFMAN, A.B., College of Wooster, 1962  
CHARLES TAYLOR KERCHNER, B.S., 1962  
RICHARD EDWARD KOLER, B.S., 1962  
TERRENCE WILLIAM KUCHARSKI, B.S., Loyola University (Illinois), 1961  
RALPH ELMER LINDEMANN, JR., B.S., 1962  
FREDERICK THEODORE MELBERG, JR., B.S., 1962  
MICHAEL EDWARD O'LAUGHLIN, B.S., 1962  
HOWARD T. PEAT, B.S., Howard College, 1957  
FREDERICK JOHN REYNOLDS III, B.B.A., University of Notre Dame, 1961

**Degree of Master of Comparative Law**

MEHMET ERDAL KARATAYLIOGLU, Licence, University of Istanbul, 1962

**Degree of Master of Extension Education**

GLENN IRWIN ASH, B.S., 1951  
ROBERT WALTER FRANK, B.S., 1959

**Advanced Certificate***In Education*

MARINA ESTHER AXEEN, B.S., St. Cloud State Teachers College, 1945; B.S. (Library Science), M.S., University of Minnesota, 1949, 1953

- MAROLYN GENEVIEVE BANNER, B.S., M.S., 1948, 1953  
 DENNIS ELLSWORTH BAPST, A.B., North Central College, 1938; A.M., Colorado State College, 1949  
 JOE L. CAIN, B.S., Jackson State College, 1951; M.S., Indiana University, 1958  
 MERVIN LOUIS CRONBAUGH, A.B., Simpson College, 1959; M.S., Western Illinois University, 1963  
 EDWARD ANTHONY CRUM, B.S., Ed.M., 1933, 1963  
 JACK HOWARD CUTLER, A.B., Ed.M., 1960, 1961  
 DELBERT DALE FOUST, B.S., Eastern Illinois University, 1955; B.D., Evangelical Theological Seminary, 1956; Ed.M., 1959  
 FLOYD ROBERT HAFF, JR., B.S., M.S., Cornell University, 1959, 1961  
 CHARLES JOSEPH HAMED, JR., B.S., 1953; M.B.A., University of Chicago, 1957  
 KENNETH ALLEN HOLMES, B.S., Purdue University, 1951; M.S., Indiana State College, 1961  
 GORDON CLYDE HOPFER, B.S., M.S., Western Illinois University, 1954, 1955  
 HENRY ANTHONY HORNBECK, JR., A.B., Loras College, 1959; Ed.M., 1962  
 HAROLD RALPH HUNGERFORD, B.S., M.S., Illinois State University at Normal, 1949, 1953  
 EDWARD GARFIELD JOHNSON, JR., B.S., A.M., Ball State Teachers College, 1947, 1952  
 CHARLES DUANE PATTON, B.S., Colorado State University, 1953; Ed.M., Montana State College, 1961  
 DOMINICK DANIEL PELLEGRINO, B.Mus., A.M., University of Michigan, 1958, 1959  
 MARION ELIZA SLIGAR, B.Ed., Pestalozzi Froebel Teachers College, 1945; M.S., Millikin University, 1953  
 HIRAM WILLIAMS, A.B., Arkansas Agricultural, Mechanical, and Normal College, 1957; Ed.M., 1961

*In Music Education*

- JAMES CLARENCE MUNDY, B.S., M.S., Indiana State College, 1959, 1963

**COLLEGE OF AGRICULTURE**

**Degree of Bachelor of Science**

*In Agriculture*

- |                                  |                                    |
|----------------------------------|------------------------------------|
| THOMAS CLAYTON AINSWORTH, Honors | RICHARD DONALD FLYNN               |
| ELDON WAYNE ASKEW                | ROBERT VOLENTINE FUHR              |
| JAMES LINDEN BECKHART            | BRUCE LYNN GARDNER, High Honors    |
| DANIEL WILLIAM BOCK              | JAMES ANDREW GARDNER               |
| DARWIN LESTER BOHNENSTIEHL       | BYRON RICHARD GEISSLER             |
| JOHN STEVENS BOLEN, Honors       | CLEMENT EUGENE GILL                |
| ROBERT PERRY BOSSHART            | JOHN RUSSELL GORDON, Honors        |
| BERNARD MILLER BRAKENHOFF        | VIRGIL BYRON GREGG                 |
| VIRGINIA LEE BROWN               | EARL GEORGE GUDEMAN                |
| MAURICE HENRY BRUCKER            | GEORGE ANTHONY BARTON HALL, Honors |
| DELMAR DARWIN BUILTA             | HORST PAUL HAMANN                  |
| ROBERT ELLSWORTH COOMBE          | ROBERT RAYMOND HARRIS              |
| HAROLD RONALD CORNWELL           | JIMMIE D. HARROLD                  |
| RONALD EUGENE CORNWELL           | WAYNE ALLEN HAYENGA, Honors        |
| ROBERT JEROLD CURRY              | CARL JOSEPH HEINISCH               |
| GARY STOVER DAMERON, Honors      | STANLEY DEAN HEITZ                 |
| ROBERT ALLEN DANIEL              | DANIEL EDWIN HEMBROUGH             |
| AUBREY DEAN DECKER               | THOMAS PAUL HENDERSON              |
| GARY LEE DOOLEN                  | RUSSELL LEROY HIGGINS              |
| JOHN STEPHEN DREW                | DOUGLAS ALLEN HOLLER               |
| ROBERT LYNN DRIESLEIN            | ALBERT RAY HORN BROOK              |
| JOHN WILLIAM DUIS                | EARL MULFORD HUGHES, JR., Honors   |
| WILLIAM RAY EDWARDS              | GEORGE PATRICK HUSTON              |
| JOHN STEWART ELLISON             | LARRY MARVIN IRION                 |
| GARY MARTIN ELLSWORTH            | DONALD RALPH JENKINS               |
| JOHN ALBERT ENSOR                | RICHARD WILLIAM KING               |
| SHELDON WAYNE FARWELL            | JAMES MICHAEL KINSELLA             |
| LARRY WILLIAM FERGUSON           |                                    |

WILLIAM FRANK KIRK  
 GEORGE FREDERICK KREIDER  
 EUGENE ALLEN KROUPA  
 DONNIE GEORGE JACOB KUNZ  
 CARLOTTA KUSSEL  
 JOHN EDWARD LEBECK  
 EUGENE DALE LEMAN  
 HOWARD TIMOTHY LEMONS  
 RODNEY KENT LINDGREN  
 ROLAND KAY LITTLEWOOD, High

## Honors

ROBERT LOUIS LOWE  
 FRED FRANKLIN MANHART  
 DENZIL VICTOR MARTEN  
 FRANK MERLYN MCCULLY  
 LEON RICHARD MILLER  
 ROGER DOUGLAS MONTGOMERY  
 RAYMOND JOSEPH MORMAN  
 LAWRENCE DEAN MULLER  
 GERALD MELVIN NOLTE, High Honors  
 STEPHEN DALE ORTMAN  
 CHARLES WAYNE OVERBEY  
 JOSEPH WARREN PEEK  
 DONALD LA VERNE PETERSON  
 DONALD EDWARD PRITCHARD  
 GERALD EUGENE RAISTRICK  
 MILAN ALVIN REWERTS  
 JOSEPH JACOB REZNICEK

RAY EUGENE ROFF  
 RANDALL HOWARD ROSS  
 VILAS EUGENE SCANLAN  
 ERMAN EDWARD SCHAIRER  
 CLIFFORD WAYNE SCHERER  
 DAVID JOHN SCHINGOETHE  
 WILSON EDWARD SCHMISSEUR  
 DONALD WAYNE SCHREIBER  
 WALTER LESTER SCHUTTLE  
 LARRY SNYDER  
 JAMES LEE STEPHENS  
 GALE WAYNE SUNDERLAND  
 DONALD LEE TENDICK  
 JAMES ALLEN THOMAS  
 GERALD ARTHUR TOWNSEND  
 JAMES KENNETH TROTTER  
 WELDON CARL VIERLING  
 STANLEY PAUL VINCENT  
 DANIEL THEODORE WALKER  
 VERNON LEE WATT  
 HAROLD WARD WATTERS  
 JAMES ROY WELCOME  
 ROBERT FRANCIS WHEELER  
 MAX BROOKS WHITNEY  
 JOHN DAVID WILKEN  
 HARRY LEWIS WOODS  
 KENNETH CLARENCE WREDE, Honors

*In Dairy Technology*

MARVIN LYNN ALWES  
 MICHAEL FLOYD CAMPBELL

SAMUEL EUGENE ROSSI  
 DANIEL RAYMOND ZEHR

*In Floriculture and Ornamental Horticulture*

KENNETH FENNELL BAUMANN  
 JOHN WILLIAM BEECHER  
 BRUCE LAWRENCE JOHNSON  
 ROY GLENVILLE KLEHM  
 DONALD ALLEN NEFF

THOMAS EDMUND SPAULDING  
 ROBERT ELWOOD STADIN  
 JEFFREY ALAN WANDELL  
 JOHN JEROME WELLMAN

*In Food Science*

DANIEL LEONARD FLEISCHMAN

IRAJ SHAYANI

*In Forestry*

PAUL DEAN CHAMBERLAIN  
 WILLIAM WRIGHT COWEN  
 JOHN WILLIAM DALE  
 DAVID ROGER DARR  
 LORIN DANIEL EDLUND  
 RICHARD FORREST FISHER, JR.  
 MARTIN ERNEST GROSE  
 JOSEPH EDWARD GUNMERSON, JR.  
 JAMES DOUGLAS HARPER

DONALD FRANCIS HOLECEK  
 RALPH ERNEST MONTEEN  
 RICHARD ARTHUR POZNIAK  
 RONALD MICHAEL ROCKIS  
 THOMAS WOODROW ROOT  
 RICHARD LEE SMITH  
 MARLYN LYNN TRUMMEL  
 ROBIN WILLIAM TURBA  
 BRUCE REYNOLD ZUMBACHEN

*In Home Economics*

BARBARA LOUISE AHRING  
 THEODORA ANDROS ANTALIS  
 SANDRA JUNE BENNETT  
 NANCY ELLEN BLACKMORE  
 MARJORIE HIMSTEDT BLUNTER  
 STEPHANIE KAY BORLEFF  
 JUDITH ANN BROWN  
 LUCINDA JEAN BUTLER  
 PATRICIA ANN CLICKENER, Honors

MARGUERITE ELLEN COLLIER, Honors  
 LAURA CATHERINE DEWALL  
 JEAN ANN DUNPHY, Honors  
 JOAN PATRICIA ETNYRE  
 SALLY JOHNSON GEHLBACH, High  
 Honors  
 JUDITH ANNE GREEN  
 JANET ELLA HOLDERMAN  
 CAROLE YVONNE HOLMES

BARBARA LOU HOWARD  
PATRICIA PETERS JENT  
KATHRYN ANN JOHNSON  
JOANNE VICTORIA KAY  
CATHERINE EULALIA KERLEY, High  
Honors  
LINDA ANN KINTZEL  
MARLENE VICTORIA KOLAK  
MARY CLAIRE KRATT  
NANCY KAREN LINDBERG  
DEANNA LIPP  
SUZANNE ELIZABETH McWHINNEY  
JANET EARLENE MERRIFIELD  
JANE RACHEL MOORE  
ANN BAKER NEMEC  
CONSTANCE MARIA O'DONNELL

UNITY ANN PETTINGA, High Honors  
CAROLYN LOUISE QUADE  
SHELLEY ANNE RAUDABAUGH  
PHYLLIS RUTH REGNIER  
CAROLE SUE RIDDLE  
KAREN JOYCE RIFE  
NANCY CAROL SAFARCYK  
MERRILY ANN SCHADE  
MARY GERALDINE SHEAY  
RUTH LEE SPAETH, High Honors  
MARGARET TEMPLE TAYLOR  
GAEL THOMSON  
MARLYN DIANE VALES  
SHARON JOANNE VLIET  
CONNIE DIANE VON BEHREN  
BRENDA CARRIE WIDMAN

*In Home Economics Education*

LORETTA LOUISE ANDERSON  
NANCY LAGER ANGERER  
BARBARA GWYNN BAIRD, High Honors  
SHARON ANN EGAN  
SANDRA LEE ERVIN, High Honors  
CAROL LEONE FAHNSTROM, Honors  
BETH VIVIAN HULL  
LINDA ESSIE MCKOWN  
SUSAN KAY MUNSON  
BRENDA JOYCE PAYNE  
BARBARA LEE PETERSON

CONNIE BUHRMESTER PETERSON,  
Honors  
JUDITH TERRILL RALEIGH  
RUTHANN ROBINSON  
CAROLYN KAY SCHROF  
PATRICIA MARIE SLUGA  
NANNETTE CAROL SMITH  
JOAN FREDRICKSON TABOR  
SUSAN LOUISE WILKEN  
ELAINE MARGARET WILMS

*In Horticultural Food Crops*

JOHN MAXWELL CRUTTENDEN

**COLLEGE OF ENGINEERING**

**Degree of Bachelor of Science**

*In Aeronautical and Astronautical Engineering*

BARCLAY HUDSON BOHRUN  
WILLIAM BRAMBLETT COTTON, High  
Honors  
DAVID ESKEW CRAIG  
HOWARD HANKE CROXEN  
RONALD GENE CUSTER  
JAMES RICHARD EYMAN  
JOEL WILLIAM FRENK  
HARLAN ALFRED HANNAH  
ARTHUR DAVID JONES  
BENJAMIN EUGENE KAMINSKI  
ROY WILLIAM KESSMANN

PETER TSAN-CHUNG LEUNG  
RONALD ALAN MAYS  
STEPHEN ARTHUR PATAY  
PAUL DAVID REBACK  
KENNETH RAYMOND ROTH, Honors  
KENNETH DAVID SHERE  
RONALD THOMAS URBANIK  
GERALD CECIL WEEKS  
RICHARD WALDEMAR WHITTAKER  
EDWARD GLEN WILSON, JR.  
EDWARD RAYMOND WOGULIS

*In Agricultural Engineering*

MARVIN LYNN JANSSEN  
OWEN PALMER LEE  
GEORGE ALBERT PUZEY, Honors

THOMAS GEORGE TRUCKENBROD  
RICHARD ALLEN WERNER

*In Ceramic Engineering*

WILLIAM LEE AUGUR  
RICHARD JOSEPH BARRY  
JOHN ALEXANDER BONAR  
CHARLES JOSEPH COCAGNE  
GERALD LEONARD FARINA  
JAMES ADOLPH FIEDLER  
JAMES ALLISON GEE

ADRIENNE LOIS LUCCHESI  
RICARDO MONTANEZ-SALCEDO  
ROBERT GUNNAR PALM  
JOSEPH MURRY RECKA  
KENNETH EMILE SCHUBERT  
JAMES PATRICK SOWMAN  
DONALD EDWIN WILLETT

*In Civil Engineering*

IBRAHIM AKBAS	ROGER DALE KOESTER
JERROLD RAY ASAL	VERNON GUNJI KOIKE
RICHARD ALLEN BARTON	STEPHEN ALAN KURTH
ROBERT ADAM BECHERER	JAMES RAYMOND LEVEY, High Honors
LEON WILLIAM BENNETT	ROBERT ALAN LONGFIELD
THEODORE JAMES BESTA, Jr.	JOHN CLAYTON MILKINTAS
GEORGE RICHARD BIRD, Honors	OKTAY OSKAY
ROBERT EDWIN BROWN	RONALD ANTHONY OWCZARSKI
LARRY MILTON CAMPBELL, High Honors	ROBERT CLIFFORD PITCHFORD II
LOUIS THOMAS CERNY	ERIC VINCENT REELITZ
WOODROW CALVIN CHENAULT, Jr.	WILLIAM MARTIN RENO
VINCENT PAUL CONOSCENTI	DANIEL LEE RICH, High Honors
DOMINIC DI ORIO, Jr.	DAVID PHILIP RIEDEL
WILLIAM CARL ETTER	CHARLES FREDERICK RODGERS
STEPHEN EARL GRITTEN	RUSSELL RAMON RUDOLPH
GURNIE CORNELIUS GUNTER	CENGIZ SARIKCIOGLU
ROBERT FRANCIS HEAVENER	ROBERT TYLER SCAGGS
CARLOS ALBERTO HERNANDEZ-YAMARTE	RONALD DAVID SCHROTBERGER
CURT RAYMOND HILDEBRAND	ALGIMANTAS ROMANAS SLAPKAUSKAS
KHALED ISMAIL ISMAIL	EDWIN GRAHAM SMITH
ELMER LOWELL JACOBS	JAN ERIK SORLIE
ROY RODMAN JOHNSON	ROBERT GLEN STARKEY
JACK LESTER JOINES	RICHARD REYNARD STENZEL
CLYDE JAMES JONES	TIMOTHY ESPING SWANSON
JAMES FREDRICK KAHLE	SELIM SIRRI TARABUS
HASSAN KAMALVAND	LEO LEONIDAS TOLIA
JAFAR KASSAIAH	CHARLES ALPHONSUS VENSUSKUS
LAWRENCE EARL KEIM	JAMES BRUCE VOORHEES
CHARLES BLAIN KENISON	

*In Electrical Engineering*

ANDREW JOSEPH AFFRONTI	DANIEL PAUL DORTH
EROL AKSOY	RODGER DWIGHT ERICKSON
ARNE DANIEL ANDERSON	DALE EUGENE FLEMING
ROBERT LOUIS BARCH	JOHN ALAN FOX, Honors
EDWARD NORRIS BARNES	GENE RAYMOND FRUEHLING
HORST HEINRICH BECKER	VINCENT MICHAEL GAUGHAN
WILLIAM GARY BEGUE	LEONARD STEVEN GEORGIAN
RAYMOND QUAYLE BENAGE	JAMES JOSEPH GILL, Honors
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 DONNA MARIE REID  
 ALICE EVE RICHTER  
 ALLAN STEPHEN RIM  
 RICHARD RAY RINGENBERG, Honors in Liberal Arts and Sciences with Highest Distinction in Mathematics  
 HAL WESLEY ROADS  
 MARTIN STEPHEN ROCHFORD, JR.  
 JOHN SCOTT ROEGHIERO  
 SANDRA DIANE ROMASHKO  
 PAUL DAVID ROSEN  
 STUART MICHAEL ROTHSTEIN, Honors in Liberal Arts and Sciences  
 SHELDON BERT RUBIN, Honors in Liberal Arts and Sciences  
 HOWARD RUBICH  
 HENRY DEAN SABERMAN  
 KENNETH WAYNE SAMONDS  
 ROBERT DAVID SATLOW  
 DONALD LEO SCHMITT  
 LARRY THOMAS SCHUBERT  
 JAN ROGER SCHULTZ  
 BURTON STEWART SCHWARTZ  
 NORTON LESLIE SHAPIRO  
 MUSA ID SHUBBAK  
 DANIEL RIGGE SHUTE  
 DAVID MICHAEL SILBERMAN  
 PHILIP MICHAEL SILVERMAN, Honors in Liberal Arts and Sciences  
 WILLIAM SIMMONS, JR.  
 ROMUALDAS SLIVINSKAS  
 DOUGLAS DALE SMITH, Honors in Liberal Arts and Sciences  
 ROBERT ALLEN SMITTKAMP, Honors in Liberal Arts and Sciences  
 MICHAEL HALE SMOLENSKY  
 ROBERT LAWRENCE SMOLIN  
 STEPHEN JULES SOGIN  
 RANDALL ROSS SPITZER, Honors in Liberal Arts and Sciences with Distinction in Mathematics  
 MARGARET JEAN SPRAGGINS  
 WILLIAM ROBERT STEARNS, Honors in Liberal Arts and Sciences  
 VIRGINIA MAE STELLMACHER  
 JAY ROBERT STELZER  
 ANNE O'NEILL SUMMERS  
 RETT SHERIDAN SUMMERVILLE  
 JUNE MICHIKO TAKAHASHI  
 DAVID LAURENCE THOMAS  
 CLINT CLAY TILTON  
 GORDON RUSSELL TITUS, JR.  
 JAMES MILTON TOMLIN  
 BEVERLY ELAINE TONCOFF  
 THADDEUS WALTER TRENTON  
 JOAN CAROL TRUDE, Honors in Liberal Arts and Sciences  
 JANET ANTONIA TRUTTER  
 LARRY LOWELL TURNER  
 LAWRENCE PETER URBASZEWSKI  
 ARMAND DAVID VINE  
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 ALVIN DAVID WAX  
 DELANO PAUL WEGENER  
 RICHARD WALTER WELCH, Honors in Liberal Arts and Sciences  
 ROBERT LEWIS WHEATLEY  
 LEO CLARENCE WIEDENFELD  
 GERALD EDWIN WILLEY  
 STEPHEN DENNIS WINET, Honors in Liberal Arts and Sciences  
 BARRY WAYNE WINTER  
 BARRY MICHAEL WOLDMAN  
 DON ELDON WOOD  
 MARILYNN JOYCE YEZDAUSKI  
 HORST RONALD ZIELKE  
 NANCY JOYCE ZIMMER  
 THOMAS JAY ZIMMERMAN  
 LYNN JOANN ZINNER  
 EDWARD JOSEPH ZNEIMER  
 SHARON LEE ANDERSON ZOARS

*In Physics*

WAYNE RAYMOND ANDERSON  
 MURRAY MICHAEL ARNOW, Honors in  
 Liberal Arts and Sciences  
 PETER MICHAEL BENDA  
 HOWARD EMERSON BOND, Honors in  
 Liberal Arts and Sciences with  
 High Distinction in the Curriculum  
 BURNACE FREDERICK BRACE, JR.  
 BRUNO CONSTANTINO BUCARI  
 RONALD CHARLES CARLSON, Honors in  
 Liberal Arts and Sciences  
 KAREN RUTH CHRISTENSEN, Honors in  
 Liberal Arts and Sciences  
 HOWARD ALLEN COZZI, Honors in Lib-  
 eral Arts and Sciences  
 JOHN STUART ESCHER, Honors in Lib-  
 eral Arts and Sciences  
 HOWARD ALLAN GORDON, Honors in  
 Liberal Arts and Sciences with Dis-  
 tinction in the Curriculum

DENNIS JOHN HELFRITCH, Honors in  
 Liberal Arts and Sciences with Dis-  
 tinction in the Curriculum  
 ALLEN FRANCIS HREJSA  
 JAMES ALDEN JACKOBS, Honors in Lib-  
 eral Arts and Sciences with High  
 Distinction in the Curriculum  
 ROBERT CLARENCE JACOBSON, Honors in  
 Liberal Arts and Sciences with Dis-  
 tinction in the Curriculum  
 SHELDON LEVIN  
 WILLIAM FRANKLIN NORTON  
 JOHN EDWIN REAUGH, Honors in Lib-  
 eral Arts and Sciences  
 DAVID JONATHAN SLATE, Honors in  
 Liberal Arts and Sciences with Dis-  
 tinction in the Curriculum  
 CAPLETON IRVING SWANSON  
 JOSEPH JAMES TENICKI  
 VOLKER RUDOLF ULBRICH

*In Speech Correction*

KATHARINE CHURCH BREARTON, JR.,  
 Honors in Liberal Arts and Sci-  
 ences  
 JILL MARIE CHECK, Honors in Liberal  
 Arts and Sciences  
 PENELOPE JANE DEAN  
 SYLVIA ANN DOHERTY  
 SUSAN SLATER GARRISON, Honors in  
 Liberal Arts and Sciences  
 ANN VERNIERE GRIFFEY  
 KEIKO HARADA  
 CAROLSUE HARR  
 MARCIA ELLEN KLAIN  
 PATRICIA KOMISS  
 JUDY DONAHUE LARSEN, Honors in Lib-  
 eral Arts and Sciences  
 PATRICIA LOU McNALLY

JOAN ELEANORE McNULTY, Honors in  
 Liberal Arts and Sciences with Dis-  
 tinction in the Curriculum  
 LINDA LOU PETERSON  
 SALLY JEAN PETERSON, Honors in Lib-  
 eral Arts and Sciences with High-  
 est Distinction in the Curriculum  
 ROSE MARIE REASON, Honors in Liberal  
 Arts and Sciences  
 CAROL MARIE SCHMIDT, Honors in Lib-  
 eral Arts and Sciences with Dis-  
 tinction in the Curriculum  
 ADRIENNE KAREN SCHULMAN  
 SUSAN WELDEN WHITELEY, Honors in  
 Liberal Arts and Sciences with  
 High Distinction in the Curriculum

*In the Teaching of the Biological Sciences and General Science*

CONSTANCE LOUISE ANDERSON  
 BARBARA ELLEN BUESCHEL  
 JEANNE ANNE CHAMPION  
 CAROLE JOYCE DeLUCA, Honors in Lib-  
 eral Arts and Sciences  
 JOHN WILLIAM EATER, Honors in Lib-  
 eral Arts and Sciences  
 RUTH LYNN FINLAYSON  
 MARY ANN HARRISON  
 MARTHA JANE HILL, Honors in Liberal  
 Arts and Sciences with Distinction  
 in the Curriculum  
 LARRY MICHAEL HOVEY

BETH ROCHELLE PEDOTT, Honors in Lib-  
 eral Arts and Sciences  
 JUDITH ALMA RUBLE, Honors in Liberal  
 Arts and Sciences  
 MARGARET ESTERLY SCHELLING, Hon-  
 ors in Liberal Arts and Sciences  
 with Distinction in the Curriculum  
 DONNA LEE SHINDLE  
 SUELLEN MARGARET THOMPSON, Honors  
 in Liberal Arts and Sciences with  
 Distinction in the Curriculum  
 ELAINE PAULETTE WEISS  
 SUSAN ETHEL WILLIAMSON

*In the Teaching of Chemistry*

WYETT HARRISON COLCLASURE II, Hon-  
 ors in Liberal Arts and Sciences  
 with Distinction in the Curriculum

DONNA KAY FITZGERALD

*In the Teaching of Geography*

MARY SUE SCHEIDENHELM

*In the Teaching of Mathematics*

- SHARON KAY ADE  
 PAUL EUGENE BIRCH, JR.  
 HELEN KATHLEEN CURTIS BRENNAN, Honors in Liberal Arts and Sciences  
 SANDRA MABEL CAMPBELL, Honors in Liberal Arts and Sciences  
 EUNICE DIANE CORREN, Honors in Liberal Arts and Sciences  
 RONALD LEE DUGAN  
 ERWIN EINHORN, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum  
 MERRY EDNA ELMSTROM  
 ALICE MARIE GERDANC  
 LUEVA LIENTZ IRVIN, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum  
 CAROLE INA JACKSON  
 JUDITH KAPLAN  
 JOAN FRANCES LAFLAMME, Honors in Liberal Arts and Sciences  
 CAROLYN VIRGINIA LEMEN, Honors in Liberal Arts and Sciences  
 GLORIA MAE LERMAN  
 NINA LOUISE MINER  
 MARSHA KAREN OSTERBACH, Honors in Liberal Arts and Sciences  
 ANABETH JUDY PLACKO, Honors in Liberal Arts and Sciences  
 HARVEY JOHN ROSEN  
 MARILYN JOYCE ROSEN, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum  
 VIRGINIA ANN TAYLOR, Honors in Liberal Arts and Sciences  
 RAE MIRIAM TELEGATER  
 PATRICIA ELAINE THOMPSON, Honors in Liberal Arts and Sciences  
 DONNA LEE THOMSEN, Honors in Liberal Arts and Sciences  
 CHRISTINE ANDERSON WOLFE, Honors in Liberal Arts and Sciences

*In the Teaching of Physics*

- PENELOPE SUE KIRK, Honors in Liberal Arts and Sciences

## COLLEGE OF LAW

## Degree of Bachelor of Laws

- DAVID APTER, A.B., 1961  
 DONALD JAMES BADER, B.S., 1962  
 DOUGLAS BOYD BAILY, B.S., Beloit College, 1959  
 HARVEY BERT BASS, B.S., 1963  
 RICHARD EARL BROWN, B.S., 1962  
 ANGELO PAUL BRUSCATO, A.B., Marquette University, 1961  
 WILLIAM THOMAS CAISLEY, A.B., 1962  
 EVELYN ALICE SCHINDLER CANNON, A.B., Brigham Young University, 1958  
 DAVID MAURICE COHEN, A.B., 1962; Honors  
 WALTER LEWIS CROWLEY, B.S., 1962  
 CHARLES HENRY DELANO  
 FREDERICK HOMER DICKSON, B.S., 1962  
 ALAN EARL EDELSTEIN  
 MICHAEL H. EISERMAN, A.B., 1963  
 ROBERT VERNON ELDER, B.S., 1962  
 WAYNE BERNARD FLANIGAN, A.B., Xavier University, 1961  
 ROBERT GILDER FREEMAN, A.B., 1961  
 JAMES EDWARD FUSON II, A.B., Millikin University, 1959  
 GERALD LOUIS GAFFNER  
 JANE GERSBACHER, A.B., Newcomb College, 1961  
 JAMES WILLIAM GILLMAN, B.S., United States Naval Academy, 1956  
 JAMES LOUIS HAFELE, A.B., 1962  
 KENNETH LEON HARRIGAN, A.B., 1962  
 SAMUEL GLENN HARROD III, A.B., Eureka College, 1963  
 DAVID BARBER HIPP, B.S., University of Notre Dame, 1961  
 HAROLD MADISON JENNINGS, A.B., 1962  
 LESLIE DEAN KAMPSCHROER, B.S., 1961  
 JAMES LEE KAPPEL, B.S., St. Louis University, 1962  
 LLOYD ARTHUR KARMEIER, B.S., 1962  
 RONALD ALBERT KIENLEN, A.B., University of Notre Dame, 1961  
 JAMES DANIEL KING, A.B., Pomona College, 1961  
 KENNETH ALLEN KNUTSON, A.B., Augustana College, 1961  
 DAVID LEE LANGE, B.S., 1960  
 LESLIE GENE LEMON, B.S., 1962  
 CHARLES DEAN LEWIS, B.S., 1961  
 FRANK WARREN LINCOLN, A.B., DePauw University, 1961  
 JAMES ELSTON MOLENAAR, A.B., 1959  
 JAMES JOSEPH MORRISSEY, JR., A.B., 1962  
 RICHARD DAVID NELSON, B.S., 1961  
 JAMES BRUCE O'BRIEN, A.B., 1962  
 LEONARD WERTZ PEIRCE, B.S., 1963  
 PHILIP GODFREY REINHARD, A.B., 1962  
 WILLIAM GEORGE ROSING, A.B., 1961  
 DENNIS ROLAND SCHLEMMER, B.S., 1961  
 THOMAS ROY SMITH, A.B., DePauw University, 1961  
 MARTIN PETER SPAGAT

HARRY EFFINGER STEWART, B.S., 1961  
 JAMES CARL SWAIN, B.S., College of  
 Charleston, 1961  
 EARL ARMOUR TALBOT, A.B., Wabash  
 College, 1961  
 KENNETH ROBERT TELLEN, A.B., 1961  
 BERNARD ANTHONY VALLERO, B.S.,  
 Northwestern University, 1959  
 JOHN CARL WEINMAN, A.B., 1962  
 WILLIAM COOK WETZEL, A.B., Univer-  
 sity of Notre Dame, 1961

CHARLES EDWARD WHALEN, A.B., 1962  
 ROGER LEROY WILLIAMSON, B.S.,  
 Northwestern University, 1961  
 DAVID CHARLES WOCHNER, B.B.A.,  
 University of Notre Dame, 1961  
 ALLAN LIONEL WOLYNEC  
 REUBEN SUN FAI WONG, B.S.,  
 University of Hawaii, 1958  
 PETER ANTHONY ZAMIS, B.S., 1962

### COLLEGE OF EDUCATION

#### Degree of Bachelor of Science

##### *In Education*

VALERIE OLSSON ANDERSON  
 LINDA LEMMON BIGELOW  
 JANET SPROULS BREMICKER  
 JOE LUTHER CARTER  
 VIRGINIA ANN CHEFFER  
 WILLIAM GEORGE CLEMENTS  
 SHARON ELIZABETH DITTMAN, High  
 Honors  
 JAMES ROBERT DUDLEY, Honors  
 PATRICIA ANN EGAN  
 JOANNE GIALLOMBARDO  
 SHARON EHRLWALD GORDON  
 SANDRA ELIZABETH HEBERLING  
 SALLY LYNNE HEIDENBLUT

DARYL JOY JENKS  
 CAROL ANN JOHNSON  
 RUTH ANN LENCZYCKI, Highest  
 Honors  
 JOYCE ANN MILLER  
 ERNEST GUENTHER-SIEGMAR NOACK  
 JUDITH MARIE PITELKA  
 JUDITH RENAULT REESE  
 PEGGY JEANNE SIMMONS  
 ANITA LOUISE SLUTZKY  
 JANE ELIZABETH TRAMPE  
 JAMES STEVEN UNGER  
 LAWRENCE ROBERT WORKMAN

##### *In the Education of the Deaf*

JANET LORRAINE GASTON  
 JANICE MAY LINDGREN  
 SHARON KAY RATHE

BARBARA CULLEN SHEPHERD, High  
 Honors  
 BARBARA WHITE

##### *In the Education of Mentally Handicapped Children*

CAROL DIANE BRUNO  
 SUSAN CAROL FALLON  
 SUE-ANN FRIEDMAN  
 NANCY STAKIS HAUGEN, Honors  
 MICHAEL JOSEPH JAKUPCZAK, JR.,  
 Honors  
 NANCY CAROL PETRI  
 GAIL ELIZABETH PORTER, High Honors

JANE TERRY ROSS  
 BETTY GREENSPAN SCHENK, High  
 Honors  
 JANET ANN STEPANEK  
 MONICA IRENE STEPHENSON  
 CAROLE LINN ZEHR  
 CAROLE WILMARTH ZISSIMOPOULOS,  
 Honors

##### *In Elementary Education*

BONNIE LEE AARON  
 CAROL DAVIS ANDERSON  
 DONNA HARRY ARNSTINE  
 MITCHELL FENTON ASHER  
 MELVIN SANFORD BAGAASEN  
 JOY MARY BARTSCH  
 CAROL MAE BAUGHMAN  
 RENA GAIL BAUM  
 CAROLYN SOKOL BEATTY, High Honors  
 MARY JANE BEHREND  
 BONNIE PHYLLIS BENSON, Honors  
 CAROL LYNN BERMAN  
 MARY LOUISE BERNDT  
 BETTY JEAN BORLING, Honors  
 ROBERT OWEN BRADY

JULIANN BEEM BREEDING, Honors  
 MARILYN KAY BRIGLOW  
 PATRICIA KAY BUEHLMAN  
 JOYCE MARIE BUFFO  
 SANDRA MARIE BURGER  
 BENITA JOANNE BUSHU  
 JEAN MARIE CHUSE  
 PAULETTE IRENE CONDOS  
 LINDA LILES CORWIN, Honors  
 ARLENE MAE COSTELLA  
 JUDITH ANN COX  
 PATSY HARTMAN CROSS  
 DOROTHY JEAN DABKOWSKI  
 MARIANNE DANIELUK, Honors  
 CAROLYN MARGARET DEKAN

LINDA ANN DICKERSON  
 VIRGINIA CLAIRE DRENCKHAHN  
 SUZANNE MARIE DUFFIELD  
 JULIANNE EASTLAND  
 JUDITH LAVINE EISERMAN  
 MARY ANN RITCHIE ENLOW  
 JUDITH ROSE EPSTEIN  
 FLORENCE FASMAN  
 KAREN ENID FEINSTEIN  
 JUDITH MARIE FICKEN  
 LYNN ELIZABETH FOLKINS  
 HEDY LOUISE FREED  
 CORALEE JOAN FREELAND  
 SHARI FUTURIAN  
 NANCY LAWRENCE GEHLBACH, Highest  
 Honors  
 LOURINE SANDERFIELD GRANT, Honors  
 JOAN ANN HABES  
 JUNE CAROL HAMILTON  
 SHARRON LEIGH HARTSTIRN, Honors  
 CAROLYN BURKE HASTINGS, Honors  
 HELEN MAYER HEIEN  
 JUDITH MERYL HEIM  
 CAROL LYNN HOLDERMAN  
 RHODA ELIZABETH HOLLAND  
 PHYLLIS ANN HOLTZMAN  
 THERESA MARIE HOPKINS  
 DIANE KIERNAN HURD  
 SUSAN KING HURD  
 JOYCE ANN HURST  
 MARY ANN JAKSE  
 MADELINE ANN JAMES  
 KAREN SUE JENSEN  
 JUDITH ELLEN JOFFE  
 MARGARET JOHNSEN JOHNSON  
 ANN CARTER JOHNSTON  
 KAREN MACKAY JOINER  
 ARLENE GOETZ JOLLY  
 DONNA THOMAS JONES  
 MARIAN JOYCE KADLEC  
 CHARLOTTE KAY KARRAKER, High  
 Honors  
 BARBARA KELLER, Honors  
 SANDRA CLAIRE KENDALL  
 MARYJANE KLEISNER  
 SARA CRIPPIN KNIGHT  
 IRENE JANE KOLIS  
 SARAH ANN LAFLAMME  
 GRETCHEN MARIE LAMOREUX  
 CAROLE LANGER  
 JANET ANN LARSON  
 NANCY JAYE LAZAR  
 ARLENE ADRIENNE LEFKOWITZ, High  
 Honors  
 EVELYN LEVIN  
 LINDA RUBIN LEVINSON  
 JEANETTE ELIZABETH LEWIS  
 SHARON RAE LIEBERMAN, High Honors  
 CAROL JOAN LIEBERTHAL  
 THERESA ANN LIERMAN  
 LUCINDA LEE LOBELLE  
 VIVIAN JEAN LONDOS  
 JUDITH YANNETTA LOPEZ, Honors  
 WENDY LOU MACELAND  
 CAROL LOUISE MARTIN  
 NANCEE LEIGHTON McCABE  
 PHYLLIS WILLARD MCKINNEY  
 SANDRA HONEY MELMAN  
 ANNA-MARIE HARRIET MILLER  
 BARBARA CLAIRE MILLER  
 VLASTA ANN MINARICH  
 JUDITH ANN MURPHY  
 SANDRA JOAN NISBET  
 CAROL CHRISTINE NORTON, Honors  
 JUDITH HELEN OPPENHEIMER  
 CHARLENE SANDRA PACKER  
 SANDRA LYNN PATTERSON  
 JUDITH ANN PEARSE  
 ALICE ADELL PHILLIPS  
 LARRI LYNN POTTER  
 SALLY PRESCOTT  
 ANNETTE PROTEAU  
 JUDITH LYNN RETZER  
 KAREN LOIS RIPES  
 DIANE ROSEN  
 SHARON LYNN ROSEN  
 SHIRLEY ANN ROSS, Honors  
 MARCY JOY ROTTNER  
 NANCY JAY ROTTNER  
 BARBARA ANN RUBIN  
 REGINA MARY RYAN  
 SARAH MARY SAGER  
 JUDITH LEE SALONE  
 BARBARA RENAY SCHECTER  
 MARY FRANCES SCHERER, Honors  
 MARY IMELDA SCHULTZ  
 SHARON SUE SCHWARTZ  
 SHARON KAY SHINE  
 MARLENE JANICE SILVER  
 GLENDA MARTIN SKOLASKI  
 LILLIS KAY FLANDERS SMALL  
 JEAN MARIE SMITH  
 MARCIA LAUREL SMITH  
 SHARON RAE SMITH  
 LOUESA PEDIGO SNYDER  
 ELTA McDONALD SPEISER  
 KAY STEPKIN  
 JOHANNA CYNTHIA STONE  
 CAROL JEANNINE STORM  
 ELLEN SERVER STRUSNER  
 SUSAN ANITA STUTTMANN, Honors  
 NANCY GAIL SWEET, High Honors  
 DIANE ANNETTE SWENSON, Honors  
 KEREN LOUISE TASKER  
 DIANA KAY TEEL  
 RUTH WOODRUFF TEEL  
 KAREN LEE TOBECKSEN  
 KAREN LOUISE TRANQUILLI, Honors  
 GAIL RENEE TULER  
 EMILY VANCE  
 MARY ANN VICARS  
 LINDA KAY WADE  
 CAROL ANN WALLER  
 DOROTHY MARGARET WASHBURN  
 SALLY DIANNE WATSON

BARBARA FRANCES WEINSTEIN, High Honors  
 KAREN BETH WEINTRAUB  
 BEVERLY HELEN WHITE  
 JANET JO WIEAND  
 VERONICA JUANITA WILLIAMS  
 BARBARA REYNOLDS WILSON  
 SUSAN ANN WITT

MICHELE SUE WOLFE, Honors  
 NANCY LEIGH WOLFF  
 NORMA JOYCE WOOLLEY  
 THELMA MAE WOOLLEY  
 VIRGINIA LYNN YOUNG, High Honors  
 JOYCE MARIE ZABINSKI  
 LYNNE ZELKIN, Honors

*In Industrial Education*

NED WILLIAM BACHELOR  
 THEODORE DAVID BLOCK  
 MELVIN NICHOLAS JENT  
 DAVID JOHN MIHEVC  
 HERBERT HARUKI OKAMOTO

DONALD EDMUND PERRERO  
 WILLIAM RAMSDEN PUNKAY  
 THEODORE FRANKLIN STRANCZEK  
 BERT LLOYD SWEAT  
 LAWRENCE RUSSEL, TRIPPIEDI

**COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION**

**Degree of Bachelor of Science**

*In Accountancy*

PAUL ALPERN  
 PAUL BENNETT ANKIN  
 JAMES JAY ARADO  
 HARRY JOHN ASHNER  
 WILLIAM PATRICK BERRY  
 DUSAN ANDREW BLAHO  
 ALLAN MARTIN BLOCK  
 NEAL JAY BLOCK, High Honors  
 WILLIAM HOWARD BLOOM, Honors  
 JAMES LEE BOLLWINKLE  
 JERRY DALE BOOSE  
 ALAN SANFORD BRAMSON  
 SHELDON ARNOLD BRODER  
 CHARLES ALLEN BROWNFIELD  
 TERRY RICHARD BURKE  
 PHILIP EDWARD CAREY  
 NORMAN GUSTAF CARLSON  
 STEPHEN JOHN CHOBOT  
 ALLEN ROGER COTTRAL, Honors  
 EDWARD NORMAN COVICI, Honors  
 DONALD LAWRENCE DIXTON  
 ALAN Sessel DOCKTERMAN  
 DONALD JAMES DONNELLY  
 WILLIAM DARRELL DUDLEY  
 BURTON MYRON EISENBERG  
 ROBERT WILLIAM ELLIS  
 TERRY LESTER ENGEL  
 CHARLES BENSON ENGVALL  
 JOHN KENNETH FAIRIS  
 ALLEN HOWARD FEIGE  
 JAMES HAL FOX  
 THOMAS JOHN FRIEDL  
 MICHAEL RAYMOND FRIEDRICHS, Honors  
 MICHAEL LYNN FRIESE  
 BARBARA JEAN FROSS  
 JORDAN EDWARD GLAZOV  
 ALLEN STEVEN GOLDBERG  
 RICHARD ALAN GORDON  
 PENELOPE ANN GRABOS, High Honors  
 CHARLES LEON GREEN  
 MICHAEL GROBSTEIN, Honors  
 PAUL OTTO GROSS  
 NATHAN MELVIN GROSSMAN

MILES NEIL HARTMAN  
 MARK DAVID HELLMAN  
 MARGO MAE HENDRIX  
 JOHN EDWARD HENRY  
 JAMES LANSING HOLBROOK  
 SEYMOUR JOSEPH HORWITZ  
 LYNN LOUIS HUMBRACHT  
 ROY CHARLES ICENOGLI  
 JACKIE LEE JAMES  
 DARRELL RUSSELL JOHNSON  
 RICHARD ALAN JOHNSON  
 ROBERT GEORGE JOHNSON  
 PHILIP HOWARD KAPLAN  
 RICHARD NEAL KAPLAN  
 OTTO HERMAN KAUFFMANN  
 ARNOLD DAVID KAUFMAN  
 PAUL STUART KAYMAN  
 BENJAMIN KENDALL  
 RONALD LANE KIDDOW, High Honors  
 JOHN JOSEPH KILLIAN, JR.  
 THOMAS EUGENE KILPATRICK  
 GEORGE JAMES KOTTY  
 JEROME BARRY KRULE  
 RAYMOND LESLIE KRUPP, Honors  
 PETER ANDREW LARSON, Honors  
 ANDREW HARRY LAWRENCE  
 LEN LAWRENCE LEFEBVRE  
 MORTON ALLAN LEVY  
 ROBERT JAY LEWIS  
 DENNIS ROBERT LITZ  
 ELMER HARRY LOREK  
 LINDA MARTIN  
 STEVEN DAVID MASUR, Honors  
 JAMES WISE MATHEWS  
 LAWRENCE ELBERT MAUS  
 RONALD WILLIAM MCCANE  
 JAMES ARTHUR MEYER  
 DONALD JACK MILLMAN  
 DONALD REID MITCHELL  
 RONALD MARCUS MOSER  
 DAVID EDMUND MOSS  
 MARILYN VELMA NEUMANN  
 PAUL MARTIN ORZECH



PHILLIP ROGER PEARSON, Honors  
 GENE ALLEN PETERSEN, Honors  
 BRUCE ALAN PETERSON  
 ROBERT KEVAN POLOVIN, Honors  
 DAVID LEE POPEJOY  
 KENNETH WAYNE POTENBERG  
 WILLIAM RICHARD PRICE  
 RICHARD ALBERT PRITCHETT  
 LEROY JOSEPH PRZYBYLSKI  
 ROBERT HAMILTON RENNICK, Honors  
 SUSAN ELIZABETH REYNOLDS  
 GORDON LOUIS RITTER  
 JAMES EUGENE ROSE, JR.  
 MARK ROBERT ROSENTHAL  
 DAVID ALLEN ROSS  
 JERRY IAN RUDMAN  
 PETER MARK RUZEVICK  
 WILLIAM ROBERT SARVER  
 LEON JEROME SCHACHTER, Honors  
 GAIL EILEEN SCHIFFER  
 WILLIAM PETER SCHWARZ, Honors  
 SUE ANN SELBY  
 LAWRENCE LEE SENDER

MARTIN SEWARD  
 IRWIN ROBERT SHECHTMAN, Honors  
 DANIEL LEE SHELLIST  
 CHARLES SHELDON SIMON  
 GEORGE WILLIAM SMITH, JR.  
 FRANK LAWRENCE SOLINE  
 DAVID BARTH JOSEPH SOMMER  
 THOMAS WILLIAM SOWDEN  
 SANDRA SUE STEPHENS  
 JOHN KING STOECKERT  
 WILLIAM ROBERT TEMPLE, JR., Honors  
 WILLIAM LLOYD THOMSON  
 FRANK CHARLES URBAN, JR.  
 RONALD JOSEPH WEDRYK  
 ROBERT FRANCIS WEILAND  
 ARNOLD WEINBERG, Honors  
 MABEL ROSSELLYN WEIR, Honors  
 BONNIE SUE WELLS  
 MICHAEL BRUCE WERNER  
 JERRY JOSEPH WEYGANDT, Honors  
 JACK BURTON WOLLMAN, Honors  
 MICHAEL ALLAN ZELMAR

*In Commerce and Law*

RALPH SPENCER BECK  
 JOHN DOMINIC BRECLAW  
 ALAN EARL EDELSTEIN  
 ALLEN EPHRAIM KANTER  
 LUDWIG JAMES KUCHAR

DOUGLAS FARRELL MITCHELL  
 CLARENCE OWEN REDMAN  
 JOHN MICHAEL SEITMAN  
 RICHARD PAUL VULLO

*In Commercial Teaching*

LINDA CAROL BRENT, Honors  
 SHIRLEY MARY BUSS  
 MICHAEL CARL CELAREC  
 MYLA GANGWER

SHIRLEY KAY JAMES  
 MARJORIE KAY MITCHELL  
 GERALDINE LOUISE SZOTT, Honors

*In Economics*

MICHAEL IRWIN BROWN  
 ROBERT CARLYLE BUMBA  
 WESLEY KEITH CAINE  
 LYLE NIELSEN CLAPPER  
 ROBERT MARTIN COOK  
 WILLIAM JOSEPH EVANS, JR.  
 DARLA PENELOPE HALLEMAN  
 JIMMIE LEE JENKINS, JR.  
 JOHN PATTERSON MYERS, Honors  
 ALAN OSHEFF

GEORGE JOHN REPSOLD III, High Honors  
 PAUL EGON ROGE  
 SPENCER MICHAEL STAR  
 PAULA SUE STURGEON  
 JOHN JOSEPH VALENTINI, Honors  
 ROBERT LE ROY WHIPPLE, Honors  
 FRED WILLIAM WITTHANS  
 STEPHEN BUDDY YACHNIN, Honors

*In Finance*

ROBERT HERMAN BECKER  
 NICK BROWN  
 CHARLES ANTHONY BUNIS  
 BARRY RICHARD DUKE  
 LLOYD STANLEY EPSTEIN  
 JOSEPH ROBERT FERRINI  
 CHARLES ALAN FINKEL  
 DAVID HAROLD FISHBURN  
 JOSEPH FREDRICK FOUTCH  
 DANIEL JAY GALLINGTON  
 JAMES FRANCIS KADLEC  
 DONALD MARTIN LEIBSKER  
 ROLAND FRANK LEISCH

GEORGE JOSEPH RODOSKY  
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 FRED ARMAND SANTOGROSSI, JR.  
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 DONALD LEE SCHRUMPF  
 RONALD MERRITT SCHUTZ  
 LEWIS NEVIL SKYERS  
 ROBERT WAYNE SMELSER  
 WILLIAM ORREN STAEBLIN  
 ROGER BRUCE SWIFT  
 RONALD STEVEN URKOVICH  
 JOHN PHILIP ZENTNER

*In Industrial Administration*

LARRY ARTHUR BEAR, Honors  
 ROGER WILLIAM BRODT

ROBERT LOUIS GETTS  
 GLENN RICHARD HANSEN

BRUCE WAYNE HARRIS  
JAMES ERNST MALMBERG  
GERRY CHARLES NELSON  
BRIAN ALBERT RUCHALSKI  
CLAUDE LOUIS SABINO

DEAN KENYON SMITH  
WAYNE KARL SMITH  
FREDERICK HENRY THOMPSON  
JAMES SCOTFIELD UNDERWOOD III

*In Management*

JAMES WILLIAM BENSON  
DONALD ALLEN BLUM  
RONALD KEITH BRINK  
MICHAEL LEWIS COHEN  
JEFFREY ALLEN EISENBERG  
RODNEY LEE EVERHART, Honors  
JUDITH ANN FARBER  
ALAN JAMES FOLK  
THOMAS LAWRENCE GIGLIO  
DAVID LESTER HUTCHINSON  
STEPHEN WAYNE KOONTZ  
ALAN MICHAEL LEZAK  
ROBERT WILLIAM LIPPERT, Jr.

GERALD LYNN LONG  
LUDWIG FRANK MACH  
MARK VERNON O'DANIELL  
DAVID AARON PASHKOW  
JOHN STEVE PATTERSON  
DONALD GREY PURYEAR  
RICHARD JAMES RAMSTEDT  
HENRY GUNSAULUS SCHUELER  
LYNN J. SNYDER  
ROBERT WAYNE STORM  
JAMES DAVID TIBBETTS  
LEONARD EUGENE WEBSTER, Jr.  
JAMES LEE WILSON, Honors

*In Management and Marketing*

BRUCE EDWARD BAUMAN

*In Marketing*

JOAN MARIE BARSKI  
EUGENE LOUIS BERGERON  
CHARLES KENNETH BLOOD, Jr.  
PHILIP SHELDON BLOOMBERG  
ROGER SCOT BOWMAN  
PHILLIP ROBERT BUDD  
WAYNE BUETTNER  
HENRY SHOU-MAY CHA  
GEORGE MICHAEL CHARNOTA, Honors  
DAVID ALLEN DANDURAND  
KATHLEEN MARIE DAWES  
JOHN DAVID FOX  
HOWARD FRANK  
DANIEL GRIFFIN GALLAGHER  
RONALD ALAN GAYER  
PAUL ERNEST GEDDIS  
JAMES PAUL GRAZIANO  
BRUCE ALAN GROHNE  
ROLAND VICTOR HOLM  
JAMES CRAIG JOHNSON  
JAMES ARTHUR KELLY, Jr.  
MARTIN ALLEN KLINGEL  
ROBERT JOHN KURINSKY  
MICHAEL JAY LANGDON

JAMES PURCELL LOSER  
PATRICIA ANN MICHEIL  
ROBERT HENRY NASLUND  
PETER CORNELIUS NEWKIRK  
FRANK CHARLES NOBLE  
DENNIS KEITH OMUNDSON  
RICHARD DERMANSKY PADNOS  
ARTHUR WILLIAM PETERS  
JAMES DOUGLAS POSEY  
FRANK JOHN PYTEL  
KENNETH JOHN SARSHA  
ERNEST JAMES SCHALK  
GEORGE EUGENE SCHRANK  
SANDRA ANN SPRINGBORN  
DALE ROY STEGEMILLER  
WILLIAM JOHN STERRITT  
RICHARD LOWELL STUCKER  
OTTO THOMAS THOMAS  
GARY ALLEN TOPPER  
FLORENT GERALD VAN DYCK  
HOWARD LESLIE WAGNER  
CHARLES JOSEPH ZEMAN  
JEROME DAVID ZERKEL

*In Secretarial Training*

MYRNA KAY CANFIELD  
GAYLE HOFFMANN CHOBOT  
RITA MARLENE ENNEN  
LOIS ANN GOODELL

JANE ANN HELLER  
BARBARA JEAN MAYER  
RITA JEAN MEIERS  
MERRYBETH ROSA SEAVEY

*In Urban Land Economics*

JOHN NEVIN DICKIE, Honors  
WARD FULFER McDONALD

GEORGE ANTON NOVY  
ROBERT DUQUESNE STOOHOFF

## COLLEGE OF JOURNALISM AND COMMUNICATIONS

## Degree of Bachelor of Science

*In Communications*

GLADYS HARRIET ACKERMAN, Honors  
ANNILEE LUCILLE ARMSTRONG

CAROLE BELIMOW  
CYNTHIA LOUISE BELLOW

MARGARET GRUENINGER BIRK, Honors  
 ROBERT MICHAEL BLACHER  
 JANE GRIFFIN BODMAN, High Honors  
 JOHN JOSEPH BREEN  
 ELWOOD ALLAN BRENT  
 THOMAS EDWARD CARUSO  
 RONALD WILLIAM CASSON  
 RICHARD KEITH COLLOPY  
 JAMES EDWARD CRACKEL  
 JOSEPH HARRY DOWELL  
 BARRY JOHN DURAND  
 ROGER JOSEPH EBERT  
 JOHN FREDERICK FERRELL  
 DENNIS MICHAEL FINNERAN  
 JOHN CHARLES GAWNE  
 KATHLEEN MARIE GEORGE  
 MARLENE DENISE GEORMAN, Honors  
 ROBERT PETER GUNDERSEN  
 BRUCE DAVID HANDLER, High Honors  
 SHERIDAN McCANN HANSEN  
 JAMES MICHAEL HANSON  
 JOEL LANNING HARTMAN  
 JOHN ELMER HENDRICKS  
 DONALD ALISON HENRY III  
 JUDITH RIEGER JENNINGS  
 CAROL ANN KASL, Honors  
 JOHN MICHAEL KEEFE, Jr.  
 JAMES CURTIS KNOX  
 RICHARD LEE KNOX  
 CAROLE MARIE KOLENS  
 ROBERTA JUNE KURTZMAN  
 JOAN DONNA LAPINE  
 LOIS RUTH LEVY

JANICE GAYLE LIND  
 BEVERLY KAY MAEDA  
 THOMAS DUANE MANDEVILLE  
 PAUL MARTIN MAZGAY  
 CAROLYN ALBERTA MILLS, Honors  
 JOHN PAUL MOCKENHAUPT  
 MARY SCHNITTKER MUNSON, High Honors  
 WILLIAM LOUIS NACK  
 MERLE BETTIE NADLIN  
 THOMAS JOSEPH NEFF  
 LINDA MARIE NOVACK  
 FLOYD WILLIAM OSTERMAN  
 JAMES FRANCIS PECORA  
 CHARLES EDWIN QUARNSTROM  
 PEGGIE CRISTINA RICHARDSON  
 THOMAS PATRICK SABIN, Honors  
 DARRELL LYNN SAMET  
 WILLIAM ALFRED SCHILLER  
 ROCHELLE HARRIET SHERLING  
 BETSY RUTH SIEGEL  
 THEODORE LEONARD SODERGREN  
 CAROL ANN STEVENS  
 NANCY KATHRYN STRATMAN  
 GEORGE GREGORY TAUBENECK, Honors  
 LYNDELL DALE WALLIS  
 MARY FRANCES WARE  
 WILLIAM HARRY WEINTRAUB  
 DAVID JOSEPH WEISS  
 JANET WHITNEY  
 JOHN PATRICK WIESE, Honors  
 JILL SUSAN WINE  
 FRANK CHARLES ZAHOUR, Jr.

### COLLEGE OF FINE AND APPLIED ARTS

#### Degree of Bachelor of Architecture

OSMAN MOHAMED ABUSHAIRA  
 STANLEY LEONARD ANDERSON, Honors  
 HOMAYOUN MIR ARJMAND  
 WARREN STANNARD BAKER, Honors  
 BARTON HENRY BARROW  
 WALLACE WILLIAM BATES  
 NATHANIEL BOYD, Jr.  
 EUGENE RONALD BRESE  
 KENNETH NAYLOR CLARK, High Honors  
 SLOBODAN VOJISLAV CURCIC, High Honors  
 ROBERT JOHN DEME  
 JOHN DAVID DUELL  
 WILLIAM HENRY DUNN, Jr.  
 RONALD FRANK EDWARDS  
 THOMAS LEE ELLIOTT, Highest Honors  
 WILLIAM HORACE ERWIN, Honors  
 ALFRED LAWRENCE ESPINOZA  
 JACKSON HILL FAHNESTOCK, Jr.  
 ALAN JEFFREY FOX  
 ROBERT MELVIN FRIEDMAN  
 ANTHONY RICHARD FRIGO  
 JOYCE MICHIO FUJIMOTO  
 JON ALBERT GOEDDE  
 KARL HARTNACK  
 HOWARD HERMAN HUMBURG

BENNETT MACCUAIG JOHNSON  
 RONALD WAYNE JONES  
 GEORGE WILLIAM KASPER  
 ROLAND RAY KEHE  
 DENNIS HEE JOONG KIM  
 ARTHUR CHARLES KUEHN  
 JOHN ROBERT LA CONTA  
 JAMES KENNETH LEE  
 RONALD DEAN LINDGREN, Highest Honors  
 CHARLES CLYDE LOZAR, Honors  
 EUGENE ANTHONY MACIASZEK  
 JOHN GUY MARKER  
 JOHN RALPH MASSEL  
 JOHN EDWARD MCCOOL, Honors  
 CHARLES LOUIS McNABB  
 CHESTER LEE MICHELL  
 GEORGE LEROY MILLEN, Jr.  
 THOMAS JOHN MIRO  
 CHARLES RAYMOND NASH  
 RICHARD JOSEPH POLLAK  
 DEBORAH MACY PRATT  
 LESTER EDWIN ROSENWINKEL  
 DERWOOD DEAN SCHROTBERGER  
 THOMAS WILLIAM SHEEHY  
 JERRY LOUIS SMANIA, High Honors

ROBERT JAMES SORENSEN  
 JEROME ALLEN STEFANI  
 JAMES PHILIP STEINFELS  
 JOHN COLBURN STEINMANN  
 MICHAEL JAY STEPNER  
 LAURENCE ELWOOD SVAB, Honors

RAYMOND LYNN TETZLAFF  
 CHARLES MILTON TINDER, JR.  
 RONALD EDMUND WAGNER  
 RONALD EMORY WALKINGTON, Honors  
 KENNETH DAVID WERTZ  
 DENNIS NICHOLAS WONDERLICK

### Degree of Bachelor of Fine Arts

#### *In Advertising Design*

GEORGE CALVIN BRUCE  
 JANE GAYLE CULLEY  
 CAROLYN SUE DAVENPORT  
 GEORGIA ALLEN FRIGGLE  
 JANET ANNE HAMILTON  
 BRENDA SUE NELSON HAYES  
 JAMES CAROL HERTTHER  
 JUDITH ANN HOLPUCH  
 HAROLD ELDON HUSSUNG  
 ROBERT EMIL HUTZENLAUB  
 CAROL LOU SIZEMORE ISBERG

DARLENE ELIZABETH JOHNSON  
 BRIAN MURRAY KATZ  
 ROBERT HENRY NELSON  
 JOHN HELMUT PACYNA  
 ALFORD LEALOUS RODGERS, Honors  
 KAREN JOANN RUSSELL  
 KENNETH WAYNE TAISHOFF  
 GUENTHER TETZ, Honors  
 DENNIS ALAN WHITLOCK, Honors  
 BOBBIE SAMUELSON ZELIF

#### *In Art Education*

ADRIENNE BEHRSTOCK AARONSON  
 MARLENE BETH ANDALMAN  
 LINDA LOU STUMP BEAZLEY, Honors  
 JUDITH NATALIE BENNETT  
 GERALD KENNETH DEASY  
 HONG TATT FOO, High Honors  
 JOANN FREEHILL  
 CAROL JEAN HAPPEL  
 ALBERT FREDERICK WILLIAM JAEGER, JR.

RICHARD JAMES KARRELS, Honors  
 PENNY HULT LINFORD, Highest Honors  
 JEAN ANN MAGNER  
 FERN ALYCE MARMIS, High Honors  
 BEVERLY LYNN MILLER  
 MARSHA LEE MOSKOWITZ  
 ROSALIE JANET SMOTZER  
 BARBARA JEAN TAUSSIG, Honors

#### *In Crafts*

RAYMOND THOMAS SPARKS

#### *In Industrial Design*

ROBERT WILLIAM DOHM  
 JAY ALLAN DONIGER  
 NORMAN ROLAND FURST  
 MARK EDWIN HOUMARD  
 TERRY ALLAN JOHNSON, Honors  
 RICHARD ARNOLD KRIOZERE

FRED MICHAEL MARCUS  
 FRANK JACK MERLE  
 RIMVYDAS ANTHONY TVERAS  
 KEITH LEWIS WALLACH, Honors  
 JOHN DOUGLAS WHITLOW  
 PHILIP CLEER YENERICH

#### *In Landscape Architecture*

JOHN ROBERT BUSCH  
 GERHARDT HENRY FELGEMAKER  
 THOMAS JOHN FLYNN  
 JOSEPH LESTER GERACI  
 CHARLES HARRIS GOUVEIA  
 VINCENT FRANK NAUSEDA

JOSEPH NOAH NEVIUS  
 CHARLES HOBART PETERSON  
 THOMAS LeROY STEPHENS  
 CHARLES HANSEN THOMSEN  
 CHARLES SHELDON TUROFSKY  
 ROBERT BRUCE WHITE

#### *In Painting*

SARAH HUDSON BENNETT, Honors  
 SANDRA HARVEY BUNNING  
 JOANN BERNREUTER CALDWELL, Honors  
 MARY LOUISE CUMMINS  
 SUSAN JANET FRITZ  
 SUE PERRY GEBHARDT, Honors  
 ROGER MICHAEL GUSTAFSON  
 HAROLD JOHN HANSEN, Honors  
 SUSAN LEVIN, Honors  
 BARBARA SCHUCKER MARQUARDT  
 REGINA MARY MATUSEVICIUS

HOLLY BETH MEILSTRUP  
 NANCY MORRIS, Honors  
 STUART ANDERSON OCHILTREE  
 MARY THEDFORD PARMELEE, Honors  
 NANCY SUE REYNOLDS, Honors  
 JAMES WILLIAM SAJOVIC, Highest Honors  
 DONNA MAE SCHLEGMAN  
 EVAN ERROL SOMMERFELD  
 GORDON DAVID WINE, High Honors  
 DOROTHY YAYER, Honors

*In Sculpture*

FREDERICK VANDOVA GLOVER

JAY STEWART WILLIS

**Degree of Bachelor of Music**WILLIAM STEWART PARSONS, High  
HonorsKAREN CARLSON ROGERS, Highest  
Honors  
LAWRENCE EUGENE WELLER, Honors**Degree of Bachelor of Science***In City Planning*

DALE GORDON BAGBY, Highest Honors

LEON THOMAS KOTECKI

*In Music Education*

FREELYN ALICE ARBEITER  
 THOMAS CLARK BAKER, Honors  
 DARRELL LEROY BARTEL  
 JOHN CRAIG BEGUN, Honors  
 PATRICIA JOAN BERTELLI  
 MARY ELLEN BLANCHETTE  
 ANN LORENE CERVERA, Honors  
 PEGGY JANE CURTIS, High Honors  
 ALAN CHESTER DAVIS  
 GRANT WITTWER DOUGHERTY, Honors  
 SANDRA LEE EGGERT, Honors  
 REBA ANN HUMPHREY  
 DIANE SUE HURD, Honors  
 MARILYN KATHLEEN KEMP

JOHN STANLEY LYON  
 ELLEN MARIE MARTIN  
 CURTIS LEE MCCARTY  
 SHARON LEE MOONEY  
 JANET MCCABE MOORE, High Honors  
 NANCY ANNE NELMES, High Honors  
 ROMAN RAY PALMER  
 NORMA KAY RIDDLE, High Honors  
 JOEY ROYCE SCHWAEGL  
 LINDA KATHLEEN SHONTZE, Honors  
 SUSAN RIXMANN SMALL  
 ANNA MAE SOKOLOFSKI, Honors  
 PHILLIS JOYCE VAHALA  
 LAWRENCE EUGENE WELLER, Honors

**COLLEGE OF PHYSICAL EDUCATION****Degree of Bachelor of Arts***In Dance*

MARY ESTELLE GREENWAY

**Degree of Bachelor of Science***In Health Education*

GEORGE DAVID BURGESS

*In Physical Education*

PATRICIA RAYE ALEXANDER  
 LENORA JEAN BORMET  
 RILEY FRANKLIN BRIDGERS  
 GARY VERNE BURTON  
 ALLEN BARRY CARIUS, High Honors  
 ELLEN JANE CARR  
 DIANA LEE CHERN  
 HUGH FRANCIS DORAN  
 LAVERNE ROSE DULERA  
 JEFFREY LEE FERGUSON  
 NANCY JEAN FERGUSON  
 KATHLEEN KELLY FINNERAN, Honors  
 ALBERT WILLIAM FLEMING  
 GEORGE JOHN GALLA  
 PHYLLIS JEAN GLIENKE, High Honors  
 GREGORY DIXON GWIN  
 DOUGLAS ALEXANDER JAFFRAY  
 RONALD LYNN KELLER  
 RONALD LAWRENCE KIERSCH  
 ALFREDAS PETRAS KLEINAITIS  
 THOMAS LEE KOENIG

RONALD ARTHUR KROLL  
 WILLIAM ALFRED LAPETRA, Honors  
 ALAN KENT LARSON, High Honors  
 CHRIS ANTHONY MILESI  
 MARY ANN FELICIA MITIU  
 DENNIS HAROLD MOLL  
 ROBERT JOSEPH MULCAHY  
 HOWARD SHELDON OLEFF  
 WILLIAM JOHN ORMSBY  
 JAMES LEMUEL PLANKENHORN  
 PAULA MARIE POWERS  
 MARVINIA MAE RANDOLPH, Honors  
 FREDERICK DENNIS ROBIN  
 JAY IRA SILVERMAN  
 VIRGINIA SUSAN SOWIZAL  
 JANE FRANCES SPEISER  
 GEORGIA LOUISE STEFFENS  
 LASLO ERNIE TAKO, Honors  
 JAMES MILO THOMAS  
 TONI N. TIFT, Honors  
 EDWARD RONALD TOMAN

JUDITH ANNE TORRES  
RAYMOND JOHN URBAN

NORMAN LEE WILLIS  
TERRY ROBIN YEAGER

*In Recreation*

CARYN ROSEN ADELMAN  
ARLEEN RUTH BAKER, Honors  
SHARON BEVERLY COFFMAN  
AUSTIN LOUIS DUKE  
ELIZABETH ANN ERSKINE  
RAYMOND JOSEPH FROEHLICH  
ALAN FREDERICK GOTTLIEB  
DAN WILSON KENNEDY

SUSAN ANN McMULLEN  
SONYA ANN MENSENKAMP  
CAROL ANN PETERSON, Honors  
DONALD JOSEPH PUCHALSKI  
SUE BRONA ROSENZWEIG  
LAWRENCE HENRY STERN  
MARY DEMMAREE SUNKEL

**COLLEGE OF VETERINARY MEDICINE**

**Degree of Bachelor of Science**

*In Veterinary Medicine*

MIRIAM RISA ANVER, Honors  
RONALD LEE BAYLOR  
YESHAYAHU BEN-HUR  
GARY WAYNE BRANDT  
SALVATORE MICHAEL CIRONE  
DON WEBSTER COATS  
SUSAN MARY COTTER, Honors  
JERRY WAYNE DAVIS  
WINFRED DUANE DEAN, Honors  
STEPHEN KOCH DERWELIS, High Honors  
WILLIAM BRUCE DOUGLAS, JR.  
ROGER GALE DOZIER, Honors  
ALLAN FREDRICK FRANK  
ROBERT WESLEY GIBBONS  
DENNIS ROBERT GROOM  
RICHARD GLENN HAARS  
GERALD LEE HENRIKSEN  
DENNIS KAY JOHNSON  
RONALD ALAN JOHNSON  
JOHN THOMAS KELLY, JR.  
ROBERT LEE LACEY

JOSEPH THOMAS LOWRY  
CLYDE DAVID McLAUGHLIN  
EDWIN LEWIS McLAUGHLIN  
KAREN ELIZABETH McNEIL  
ROBERT WILLIAM MEAD, Honors  
ROSE ANN PELLEGRINO  
CURTIS ALLYN PERRY  
DAVID ALAN RHODA  
MICHAEL PHILIP RILEY  
JAMES LLOYD RISING  
ERNEST STEPHEN SAUERS, Honors  
GRADY LEON SKAGGS  
CAROL ANNE SPEARS  
CHARLES DALE SPENCE  
THOMAS BRENNEN STEFFEN  
DENNIS RAY STUBBLEFIELD  
TIMOTHY LAWRENCE SWIECKI  
TED CLARK WALTERS  
JOEL KEITH WESSON  
WILLIAM HOWARD WRIGHT

**Degree of Doctor of Veterinary Medicine**

SUE ELLEN ANWAY  
JOHN BRUCE ARENSMAN  
RICHARD FITZHUGH BEVILL, JR., Honors  
JOHN ALLEN BLAKE, Honors  
RONALD WILBER CAMDEN, Honors  
PAUL LEE CARON  
HAROLD HALLAM CLARK  
EDMOND ARBER COCKS  
DANIEL LEE CORNELL  
DONALD EDWARD COULTER  
GEORGE GERALD DOERING  
JOSEPH LAWRENCE DORNER  
ROBERT WILLIAM DYGERT  
NORMAN LESTER EARP  
JACK DALE FRANKLIN  
AUSTIN JAMES FURLONG  
CYRIL J. GREENSPAN  
HERBERT HARDWICK  
VIRGIL EUGENE HOCKGRAVER, Honors  
WILLIAM KENT KERR

ARTHUR FRANKLIN LIPOLDT  
WAYNE EDWIN LUTZ  
JERALD MICHAEL MARTELL  
RICHARD ELMER MILLER  
WILLIAM JAMES MOYLE  
WILLARD BURTON NELSON, JR.  
ROBERT AARON NIEDERMAN  
CHESTER FRANK PALMER  
NEVEN ALEKSANDAR POPOVIC  
JOHN WILLIAM SAGARTZ  
DELMAR WAYNE SCHLEDER  
JAMES DAVID SMALL  
NICHOLAS SZLUHA  
JAMES MILTON TUCKER  
KENNETH LEE WALKER  
BARBARA CECILE WESTPHAL  
LARRY EUGENE WILSON  
JAMES ARTHUR YOUNGREN  
BARRY EUGENE ZONKEL

*Degrees Conferred at Chicago***HONORARY DEGREES****Degree of Doctor of Arts**

VIRGIL MELVIN HANCHER, A.B., A.M., J.D., LL.D., L.H.D., Litt.D., LL.B., D.C.L.

**GRADUATE COLLEGE****Degree of Doctor of Philosophy***In Biological Chemistry*

JOHN RALPH EDWARDS, B.S., Illinois Wesleyan University, 1959

RALPH RAYMOND GANTT, A.B., Blackburn College, 1958

ERICH LEONHARDT GIBBS, A.B., Harvard University, 1959

CAROLINE ELISABETH HARDY, B.S., Wheaton College, 1960

LEON MAURICE LERNER, B.S., M.S., Illinois Institute of Technology, 1959, 1961

EDWARD PAUL PREVIC, B.S., Carnegie Institute of Technology, 1953

ROBERT F. SKORA, A.B., Kalamazoo College, 1956

*In Chemistry (Pharmaceutical)*

ANGEL SEVILLA ARAMBULO, B.S., University of the Philippines, 1950; M.S., 1952

DAVID B. KATAGUE, JR., B.S., University of the Philippines, 1955; M.S., 1962

*In Microbiology*

ROBERT LEANDER GUSTAFSON, B.S., University of Chicago, 1959; M.S., 1962

BERNARD RICHARD TESS, B.S., Loyola University, 1958

EUGENE MAXIMILLIAN VAICHULIS, B.S., University of Notre Dame, 1959; M.S., 1961

*In Pharmacology*

LORENZ MARTIN HOFMANN, B.S., M.S., 1959, 1961

*In Physiology*

GLADYS ATKINS, B.S., Louisiana College, 1956; M.S., Louisiana State University, 1958

DAVID SHERWIN MAILMAN, B.S., University of Chicago, 1958

**Degree of Master of Science***In Anatomy*

BIRUTE PLESKYS JAKSTYS, B.S., 1960

PATRICIA SCLAFINI TORNHEIM, A.B., Rosary College, 1961

ELAINE BLUME WILSON, A.B., Swarthmore College, 1958

*In Biological Chemistry*

GRAHAM ARTHUR ROGENESS, A.B., Dartmouth College, 1960

ARNOLD DAVID STEINBERG, D.D.S., Northwestern University, 1954

*In Chemistry (Pharmaceutical)*

VINCENT CHUKWUOZIE AGWADA, A.B., Eastern Nazarene College, 1955; M.S., Western Illinois University, 1961

KAREN ROVER SANDBERG, B.S., 1961

*In Histology (Dental)*

EMILE MOORES DAVIS, B.S., Fort Valley State College, 1942; D.D.S., Meharry Medical College, 1948

WILLIAM FRANCIS MALONE, D.D.S., Northwestern University, 1955

DONALD HORACE NEWELL, B.S., D.D.S., 1956, 1958

JAIME PIETROKOVSKI, D.D.S., University of San Marcos (Peru), 1955

NORMAN DAVID ROTBLAT, B.S., 1961

MICHEL TAGGER, D.M.D., Hebrew University (Jerusalem), 1959

ROBERT EUGENE WILLIAMSON, B.S., D.D.S., 1960, 1961

*In Microbiology*

JAMES VERNON KOPF, B.S., University of Akron, 1962  
 JANET JOAN SIEBER MEYLE, A.B., Valparaiso University, 1962  
 LEONARD THOMAS MOLANDER, B.S., Loyola University, 1962

*In Oral Pathology*

LEE BRIAN SILVERGLADE, B.S., D.D.S., 1957, 1959

*In Oral Surgery*

HAROLD ROBERT BAYNE, D.D.S., 1961  
 SIDNEY PESKIN, B.S., D.D.S., 1958, 1960

*In Orthodontics*

NORTON ALVIN EISENBERG, D.D.S., Ohio State University, 1962  
 RICHARD GREY LORD, B.S., D.D.S., 1958, 1960  
 ELSA LO CIOCON SEITON, D.D.M., University of the East (Philippines), 1957  
 Major Adviser: ALLAN G. BRODIE, D.D.S., Ph.D.  
 DAVID M. SOLOMON, B.S., Fordham University, 1956; D.D.S., University of Maryland, 1960  
 LAWRENCE DEXTER WOODFORD, B.S., University of Toledo, 1958; D.D.S., Ohio State University, 1962

*In Pedodontics*

JOHN ARISTIDIS GALLIOS, A.B., Wabash College, 1952; D.D.S., Northwestern University, 1956  
 ROGER KAZUHIKO KUWABARA, A.B., State University of Iowa, 1955; D.D.S., Howard University, 1959

*In Pharmacology*

EDWARD TRACY BROWNING, B.S., Purdue University, 1961  
 ROGER GENE UNZICKER, A.B., Goshen College, 1961

*In Pharmacy*

RONALD LOUIS FOREMAN, B.S., 1960  
 JOHN HENRY LEWIS, B.S., 1962  
 SONG-LING LIN, B.S., National Taiwan University (China), 1959  
 ROBERT EARL PEARSON, B.S., 1962

*In Surgery*

ROBERT PLEASANTS GORDON, JR., A.B., Princeton University, 1954; M.D., Northwestern University, 1958  
 ROGER LEE MEHL, A.B., University of Washington, 1957; M.D., University of Maryland, 1961  
 JOHN JAMES MINSTER, B.S., M.D., Loyola University, 1954, 1956  
 HASSAN NAJAFI-MAHALATI, M.D., Teheran University (Iran), 1954  
 JEROME JAY VERNICK, A.B., University of Pennsylvania, 1958; M.D., The Jefferson Medical College of Philadelphia, 1962

## COLLEGE OF DENTISTRY

## Degree of Bachelor of Science in Dentistry

*Conferred June 7, 1963*

ARNO WILHELM BARTZ	MICHAEL VINCENT FARR
JOHN MARCELLUS BEATTY, A.B., Southern Illinois University, 1961	HOWARD IVAN FEIG
JORDON CHARLES BLOCK	MICHAEL EDWIN FESLER
JOEL LEON BURMAN, B.S., 1959	CURTISS ORVAL FLOYD
PATRICK JAMES CANADAY	MICHAEL JOEL GEBHART
STEVEN PAUL COLLINS	MICHAEL DAVID HAYWARD
JOHN THOMAS CORSTEN	ROBERT MARSHALL HEWITT
ROBERT STEPHEN DENSFORD, A.B., DePaul University, 1961	MORRIS ALVIN HICKS
DALE RICHARD EISENMANN, with Honors	RONALD MAURICE HIGHTON, B.S., Roosevelt University, 1961
	LEO LUCAS JAEGER, with High Honors
	ROBERT RICHARD JENSEN



ROBERT EARL JOURGENSEN  
 GEORGE IRWIN KAGAN, B.S., University  
 of Chicago, 1961  
 FRANK JAMES KEROUX, A.B., Knox  
 College, 1961  
 KARL WYLDE KNEWITZ  
 GUSTAV ROBERT KOZINA  
 JOHN CHARLES KRISCHKE, A.B., North-  
 western University, 1961  
 STEVEN YOSHIKAZU KUMAMOTO  
 RICHARD MELVIN LAINSON  
 THOMAS WALLACE MANSFIELD, B.S.,  
 1961  
 RICHARD PHILIP MARTINO  
 ALLEN DAVID MARKS  
 VYTAUTAS ROMUALDAS MOCKUS  
 KENNETH PAUL MOLNAR, B.S., 1960  
 DON RAYMOND MORRIS

ROBERT JAMES NUDERA  
 BRIAN CARL PAINTER  
 MICHAEL STUART PATNER  
 JAMES WILLIAM PAUL, B.S., St. Louis  
 University, 1957; M.S., 1961  
 WILLIAM ANDREW SCHACKEL  
 DUANE EUGENE SOLDATI  
 JAMES ALLEN SPELICH  
 ROBERT VINCENT STARVEL  
 EDWARD STUART STERLING  
 LEE JOHN STOPOULOS, A.B., Augustana  
 College, 1961  
 RICHARD LEWIS TEGA  
 MICHAEL ANDREW TURK  
 THOMAS CHARLES VOGT  
 WAYNE ROBERT WITT  
 ROBERT RICHARD ZENDT, A.B., Knox  
 College, 1961

*Conferred September 7, 1963*

ERWIN GOLD

### Degree of Doctor of Dental Surgery

*Conferred September 7, 1963*

LEWIS WILLIAM EXUM, B.S., Youngs-  
 town University, 1955  
 ERWIN GOLD  
 ROY ALFONSO JONES, B.S., Howard  
 University, 1959; B.S., 1961

ANTHONY R. PUSTELNIKAS, B.S.,  
 Roosevelt University, 1958  
 RONALD RUBENSTEIN, B.S., 1959, 1961

*Conferred December 21, 1963*

WILLIAM DEAN BROWN

GEORGE ROBERT CAVANESS, A.B.,  
 Southern Illinois University, 1958

*Conferred June 11, 1964*

ALLEN WENDELL ANDERSON, B.S., 1962  
 GUNA MARA ANDERSON, B.S., 1962  
 HELMUT ADAM AWENDER, B.S., 1962  
 KENNETH EDWARD BALA, B.S., 1962;  
 with Honors  
 ROBERT STANLEY BECKER, B.S., Beloit  
 College, 1960  
 JAMES ALLEN BERENS, B.S., 1962  
 RICHARD JEROME BERKE, B.S., Drake  
 University, 1960; B.S., 1962  
 HOWARD THEODORE BLOCK, B.S., 1962  
 HAROLD WILLIAM BONUS, B.S., 1962  
 MELVIN BURACH BORG, B.S., 1962  
 JEFFERSON COLUMBUS BROCK  
 JAMES WENDEL BUCKMAN, with Honors  
 DONALD ANTHONY CAROLLO  
 RICHARD JAY CHROMAN, B.S., 1962  
 JAMES MICHAEL COCAGNE  
 NELSON THOMAS CROWELL, B.S., 1962  
 SAMUEL A. DANIELS, A.B., Macalester  
 College, 1958  
 MICHAEL JOSEPH DAVEY, B.S., 1962  
 DONALD JOSEPH DE CHRISTOPHER, B.S.,  
 1960, 1962  
 MAURICE DICKMAN, B.Ed., Chicago  
 Teachers College, 1953; B.S., 1962  
 DONALD JOE FOX  
 THOMAS BLAIR FRAZIER, A.B., Mon-  
 mouth College, 1960; B.S., 1962

JERRY DEAN GARDNER, B.S., 1962; with  
 Honors  
 GARY ALLEN GASBARRA, B.S., 1960, 1962  
 CARL RICHARD GILMORE, A.B., Beloit  
 College, 1960; B.S., 1962  
 JAMES ELWOOD GORMAN, B.S., Eastern  
 Illinois University, 1958  
 LEON FLOYD HARRES, B.S., 1962  
 STUART HARVEY HELLMAN  
 CHARLES ERIC JOHNSON, B.S., 1962  
 WILLIAM NILS JOHNSON, B.S., 1962  
 RICHARD DUKE JONES, B.S., 1962  
 WILLIAM JACKSON JONES, B.S., 1961  
 KARL WYLDE KNEWITZ, B.S., 1963  
 PETER KOBES  
 ALEX JOHN KRAMER  
 ALBERT HENRY KRAUSE, B.S., 1962  
 WILLIAM JAMES LAMBERT, B.S., Roose-  
 velt University, 1960  
 STUART ELTON LARSON  
 WAYNE DENNIS LARSON  
 ROBERT MICHAEL LAZERSON, B.S., 1960  
 ROBERT JOHN LOWTH, A.B., Southern  
 Illinois University, 1960  
 ALLAN MARTIN MALKASIAN  
 RICHARD PHILIP MARTINO, B.S., 1963  
 GEORGE BIRKLAND MAXWELL, JR., A.B.,  
 Southern Illinois University, 1960;  
 B.S., 1962

ARMEN MICHAELIAN, A.B., Fresno State College, 1960  
 ROBERT KAY MICK, B.S., 1962  
 ALAN MICHAEL MILLER  
 LARRY RAY MITTENDORF, B.S., 1962  
 RONALD EUGENE MIZER  
 JAMES WILLIAM MOONEY  
 LAWRENCE ROBERT NEIMARK, B.S., 1960  
 IRWIN WILLIAM PEARLMAN, B.S., 1962  
 MICHAEL JAY PINK  
 DARRYL JOHN PIROK, A.B., B.S., 1960, 1962  
 ROBERT JOSEPH POKORNY, B.S., 1960, 1962  
 GARY ALAN QUICK, B.S., 1962  
 ROBERT ROBINSON  
 FAREL ARTHUR ROSENBERG, B.S., 1962  
 NORMAN DAVID ROTBLAT, B.S., 1961  
 SHELDON ARNOLD RUBNICK, B.S., 1962  
 ALAN JAY SHAPIRO, B.S., Roosevelt University, 1960; B.S., 1962

NEIL HOWARD SHULKIN  
 DENNIS LEE SLUSKI  
 DONALD CLARENCE SORENSEN  
 SAUL SOSIN, B.S., Roosevelt University, 1948  
 GENE RICHARD STERRITT  
 ARTHUR STONE, A.B., Roosevelt University, 1951  
 JEROME MICHAEL STROFS  
 JERRY LEE TODD, A.B., Southern Illinois University, 1959; B.S., 1962  
 MICHAEL ANDREW TURK, B.S., 1963  
 WILBUR EUGENE VAN HORN  
 DAVID EUGENE VOELPEL  
 ALFRED SOLOMON WEINER, B.S., 1960  
 DONALD PHILIP WEISSMAN, B.S., 1962  
 SAMUEL STUART WEXLER, B.S., 1962  
 THOMAS EDWARD WILLIAMS, A.B., Whittier College, 1960

### COLLEGE OF MEDICINE

#### Degree of Bachelor of Science in Occupational Therapy

*Conferred June 11, 1964*

HARRIET SEGEL ADELSTEIN  
 BEVERLY ELLIOTT CATRON, with Honors  
 MARGARET MILES FLYNN  
 PATRICIA ELMOR GEISSMAN  
 DOROTHY LOUISE HAVENS  
 GEORGIA HELEN IDA HOLVERSON  
 MONICA HYACINTH LOPEZ  
 VERA LEA MENGEDOTH

GLADYS ELAINE MUELLER  
 DONNA SCHECKERMAN ORLOVE, with Honors  
 STACIA ANN WOODS PAXTON  
 KAREN LOUISE SMEDBERG  
 KAREN FRANCES TATE  
 BEVERLY ANN WESTROM

#### Degree of Doctor of Medicine

*Conferred June 11, 1964*

MILES FRANKLIN ADLER  
 EDWIN APRIL  
 GERALD FRANCIS ATWOOD  
 JOHN LESTER BARDSLEY, A.B., 1961  
 LEON IRWIN BENDER, B.S., 1959  
 ROGER BERLIN  
 MORLEY JAY BERMAN  
 NORMAN BLAIR BERMAN  
 DOUGLAS RUDOLPH BEY, JR.  
 NORMAN IRWIN BIRNDORF  
 KENNETH WAYNE BLECHER  
 JOHN RONALD BOBITT  
 WILLIAM JOSEPH BOGARD, B.S., 1960  
 MICHAEL FRANK BORYSOW  
 FREDERICK STAMM BRIGHTBILL, B.S., 1960  
 ANTHONY LEE BROWN  
 JOHN WILLIAM BUCKNER  
 JOSEPH LOUIS BURKE, B.S., University of Wisconsin, 1960  
 RALPH BURROWS, B.S., 1958  
 RUSSELL ROBERT CARLSON, A.B., Earlham College, 1957  
 JUDE ANTHONY CASELTON

LAWRENCE IRVIN CHAPMAN, with Honors  
 GEORGE CHARNECKI  
 FRANK JOSEPH CIPRIANO, B.S., 1961  
 MICHAEL BERTRAM COBURN  
 GEORGE ALFRED COCHRAN, JR., A.B., Southern Illinois University, 1960  
 MICHAEL ANTHONY COLANDREA  
 JAMES GEORGE CRAVENS, D.D.S., 1960; with Honors  
 FREDERICK WILLIAM CUBIN, A.B., Southern Illinois University, 1960  
 HARRY WILLIAM DARLAND, A.B., North Central College, 1960  
 DALE GEORGE DAVIS, B.S., 1960  
 BARBARA KAY DELLENBACK, B.S., 1960  
 ALLEN BERNARD DEVLESCHOWARD, JR.  
 WILLIAM ROY DUGDALE, B.S., Michigan State University, 1960  
 CORWIN ROBERTS DUNN, A.B., Knox College, 1960  
 CHARLES JOHN EGGERSTEDT, B.S., 1961  
 THEODORE SAMUEL EISENMAN  
 TRUDY FOX EISENMAN

- ROBERT STEPHEN ELLIS, JR., B.S., University of Notre Dame, 1960  
 MICHAEL HAROLD ELLMAN, B.S., 1960  
 ERIC E. ERICKSON, A.B., Northwestern University, 1959  
 ADRIAN DOUGLAS FEINERMAN, B.S., 1960  
 JAY MICHAEL FELDMAN  
 ALVIN LADDIE FRANCIS  
 LOUIS HARVEY FRASE, B.S., 1960  
 BILLY RAY FULK, A.B., Southern Illinois University, 1960  
 WOODSON CAROL FULLER, A.B., Southern Illinois University, 1960; with Honors  
 LEONARD JOEL GARDBERG  
 DON EARL GEHLE, A.B., 1960  
 MICHAEL DEWEY GEIS  
 KENYON ROGER GILBERT  
 MARK GILDEN, A.B., Northwestern University, 1960  
 RONALD LEE GILLUM, A.B., DePaul University, 1960  
 HOWARD PETER GIRARD  
 ROBERT WESLEY GLASS  
 SAMUEL GOLDBERG, A.B., 1961  
 LEE MITCHELL GOLDFINE, B.S., 1960  
 BARRY GOLDMAN, B.S., 1960  
 HENRY AARON GOLDSTEIN, B.S., Roosevelt University, 1960  
 THEODORE BENSON GOLDSTEIN, B.S., 1960; with Honors  
 ROBERT ALLEN GOODWIN  
 IRA MARTIN GRAIS, B.S., University of Wisconsin, 1960  
 RICHARD MEARLYN GRAVEN, A.B., Greenville College, 1960  
 JAN LARRY GRAY, B.S., 1961  
 JANE DUGDALE GRAY, A.B., 1961  
 HAROLD WALTER HARDING  
 JOHN PHILLIP HARRIS  
 WILLIAM EDWARD HARRISS, A.B., Southern Illinois University, 1960  
 JOHN MILO HATTENHAUER  
 NORMAN V. HEINTZ  
 HAROLD JAMES HEYMAN  
 FREDERICK DANNER HIRSCH  
 GENE WESLEY HOLLINGSWORTH, B.S., 1959  
 RONALD NORMAN HOROWITZ  
 ROBERT DEAN HUHN  
 HESTER JO HURSH, B.S., George Williams College, 1958  
 JOHN HENRY IPPENSEN, A.B., Knox College, 1960  
 THEODORE GUS JAMES, B.S., 1960  
 ANTON JOSEPH JIRKA, A.B., Knox College, 1959  
 SHELDON SOLOMON KABAKER  
 MYRA JOYCE KAHN  
 STEPHEN HOWARD KASSEL, A.B., Johns Hopkins University, 1960  
 WILLIAM JOHN KENNELL  
 ROBERT THOMAS KESSLER, B.S., Loyola University, 1960; with High Honors  
 JOHN MICHAEL KIRSCH, B.S., Loyola University, 1960  
 HAIG ARAM KOSHKARIAN, A.B., Grinnell College, 1960  
 MITCHELL IVAN KRIEGER  
 MICHAEL KROLL  
 RALPH FREDRICK KUHLMAN  
 DONALD HESTON KULL, A.B., Millikin University, 1957  
 DONALD DOMINIC LAMARCA, B.S., 1959  
 EDWIN JOHN LANDHERR  
 GUILIO ANTHONY LEONE  
 IRA MICHAEL LERNER, B.S., 1961  
 STEPHEN JOEL LESHIN, with Honors  
 ALAN SCOTT LEVIN  
 RICHARD ALLEN MALEK  
 MARSHALL IRWIN MATZ  
 HELEN STATIA MAURER, B.S., 1960  
 CHARLES PETER MAURIZI  
 DAVID LAWRENCE MCCARTY, B.S., 1959  
 CLARK RICHARD MCDANIEL, A.B., 1960  
 ALLEN DANIEL MCLEAN, B.S., 1961  
 SEYMOUR J. MELNIK  
 CHARLES RONALD MIDDLETON, B.S., Northern Illinois University, 1959  
 WILLIAM FRANCIS MIDDLETON, B.S., 1960  
 ALEXANDER WATSON MILLER  
 KENT MAURICE MONROE, B.S., 1961  
 ALGERD STANLEY MONSTAVICIUS, B.S., 1961  
 MITCHELL ANDREW MOOS  
 CHARLES DENZIL MOREHEAD  
 FRED FIVEL NATHAN, B.S., University of Chicago, 1959  
 JOHN MICHAEL NAYDEN, B.S., 1960  
 ROBERT ROSS NEAL, JR., A.B., Wabash College, 1960  
 DONALD ROBERT NELSON, B.S., Beloit College, 1959  
 KENNETH EVERETT NELSON, A.B., Southern Illinois University, 1959  
 JOSEPH MARTIN NIEDER, with Honors  
 IRWIN HERSCHEL NOPARSTAK  
 RAYMOND GEORGE ORENIC  
 DAVID EKERN OTT, A.B., Northwestern University, 1957  
 NORMAN JOSEPH PASTOREK, A.B., Augustana College, 1960  
 RAYMOND WALTER PETKUS, B.S., 1961  
 JEROLD ALAN PICK  
 DAVID ALOIS PLATZBECKER  
 DAVID MACCHARLES POGUE, B.S., Colorado State University, 1960  
 JACKIE ELDRIDGE PURDY  
 GENE HERBERT PURVIS, A.B., Augustana College, 1960  
 LON DIETRIG RADEMACHER, B.S., 1960  
 RONALD EVERET RAMSTEDT, A.B., Coe College, 1960

DONALD PAUL RIFF  
 LOUISE JEAN M. RIFF, A.B., Millikin  
 University, 1956  
 JOHN ARTHUR ROBINSON II, B.S., Uni-  
 versity of Notre Dame, 1960  
 GRAHAM ARTHUR ROGENESS, A.B.,  
 Dartmouth College, 1960  
 ROGER ALAN ROSE, A.B., 1961  
 JOEL CHARLES ROSS  
 GARY LEE RUDDER  
 WALTER RICHARD RUF, B.S., 1960  
 LOIS ANN RYAN, A.B., 1958  
 JON DREW SANDBERG  
 DAVID NORMAN SATTEM, A.B., 1960  
 RICHARD WARREN SAUERMAN, A.B.,  
 Monmouth College, 1960  
 JACK LLOYD SAYLOR, A.B., Southern  
 Illinois University, 1960  
 DORIS MARIE SCHAAFF, A.B., St. Xavier  
 College, 1960  
 GARY WALTER SCHABACKER  
 HOWARD OWEN SCHECHTER  
 DAVID HAROLD SCHULTZ, A.B., Black-  
 burn College, 1959  
 TERRY KEITH SCHULTZ  
 ROBERT DENTON SHAFFER, A.B., North  
 Central College, 1960  
 CHARLES HERSEL SHALLAT, B.S., 1961  
 VIRGIL DELANO SHORT  
 BENJAMIN SHWACHMAN, B.S., 1959  
 DANIEL JOHN SIGBAND  
 BARBARA FRANCES SILVESTRI  
 ARTHUR BERNARD SIMON  
 HOWARD DAVID SIMON, B.S., 1961

WILLIAM HUGH SIMPSON, B.S., Brad-  
 ley University, 1960  
 ROBERT GEORGE SLACK, A.B., North-  
 western University, 1959  
 JOHN JAMES SMALLEY, JR.  
 ROBERT KEITH SMITH, A.B., 1961  
 ROGER ENOS SMITH, A.B., Monmouth  
 College, 1960  
 BRENDA CLORFENE SOLOMON  
 WILLIAM FRANK STACH, A.B., 1961  
 GEORGE ISIDORE STARR  
 DWIGHT ORAN SWABACK  
 CARL RALPH TASSISTRO, B.S., 1960  
 ROBERT ROY TAUBE, B.S., 1960  
 ARVYDAS PAUL TAURAS  
 MARSHALL BENNETT TAYLOR, B.S., Illi-  
 nois Institute of Technology, 1960  
 HENRY MICHAEL TUFO  
 GERALD DONALD VERMEULEN  
 THOMAS ABRAHAM VICTOR  
 LEO GENE WATSON  
 HERBERT WEINSTEIN, B.S., 1961  
 MARVIN IRA WEINTRAUB, B.S., 1961  
 JOHN LESTER WERNER, B.S., 1961  
 HARVEY JAMES WHITFIELD, JR., B.S.,  
 1961  
 JAMES MATTHEW WHITTENBERG  
 RONALD PETER WILBOIS, B.S., 1959  
 EUNICE RUTH WILSON, A.B., 1952  
 JAMES EDWARD WILSON, B.S., Purdue  
 University, 1960  
 WILLIAM H. WOODRUFF, A.B., Black-  
 burn College, 1957  
 ROBERT FREDERICK YARIO

### COLLEGE OF NURSING

#### Degree of Bachelor of Science in Nursing

*Conferred December 21, 1963*

PATRICIA ANN BEAN  
 JANE PENELOPE BOSTROM  
 CAROLYN ALICE FULLER

DONA MAE GILBO  
 GLENDA MARSHALL LANE, with Honors  
 DIANA LOUISE WINN, with Honors

*Conferred June 11, 1964*

JURATE MARY ABROMAITIS  
 JOYCE SHARON ACKERT  
 KATHRYN ANN BAGLEY  
 MARILYN KAY BERTHA  
 PATRICIA LAUREL BINDER  
 MARILYN HORNICK BONAGURO  
 CELESTE IRENE BONGIANNI  
 CAROLINE SLATER BROWN  
 CAROL ANN BUCHER  
 SANDRA HENDERSON DENSFORD  
 ELEANOR GLENDA FERGUSON  
 MARY KAY FLYNN, with Honors  
 JEANNINE MALZAHN FRANK  
 JERRY DALE GRIGGS  
 HANNAH THERESA HARRIS  
 PATRICIA THOMPSON HENSCHEN  
 KAREN SUE JONES  
 LOUISE STEINMAN KANTER  
 KARLENE MARY KETELHUT

LOIS JEAN KLEIDON  
 DELORES JEAN LEUSBY  
 PAMELA JEAN BACKUS LEVIN  
 ANN ROSEMARY MAGEE  
 MARIAN RUTH MARTIN, with High  
 Honors  
 BRENDA KAY NEWCOMB  
 MARILYN ANN RUSH  
 KAY KATZ SCHECHTER  
 DOROTHY SUE SHELTON  
 CHRISTINE JEAN SKOWRONSKI  
 HELEN RAE JOHNSON SNODGRASS  
 PATRICIA ANN STROUPE  
 JOYCE HELENE SUCHINSKI  
 JANET MOSSBERG TORNUQUIST  
 BARBARA JEAN VOIGHT  
 ANNA MARIE WAINIO  
 CAROLINE LYDIA WHITE

## COLLEGE OF PHARMACY

## Degree of Bachelor of Science in Pharmacy

Conferred September 7, 1963

DENNIS CARL PROSCH

WALTER EDWARD ROBERTS

Conferred December 21, 1963

ARTHUR JOHN BOHR, JR.

MARGARET CATHERINE JIAMBALVO

HERBERT JACOB JAKEL, JR., A.B.,  
Northwestern University, 1958NORBERT JOSEPH PROKOPEK  
WILLIAM EDWARD SCOTT

Conferred June 11, 1964

MICHAEL SALVATORE ALBERTI

JOEL URI MANN

PENROD NICHOLAS ALEXANDER

GRAZYNA CECILIA NIEMCZURA

JAMES DAVID BERG

ROBERT MICHAEL RAMSDEN

JOHN CALVIN BLAUFUSS, B.S., Lakeland  
College, 1958

ALFRED SAMUEL REITMAN, B.S., 1960

PETER WILLIAM BRUNO

JOHN CHARLES RITOLA

RALPH ABEL BRYSON

WILLIAM ROBINSON

BERNARD MITCHELL BUBMAN

RAYMOND EARL ROSENBERG

WILLIAM FREDERIC BURROWS, with  
Honors

JACK ROBERT SCHASER, with Honors

ARLENE SARAH CRAWFORD

DONALD CAYWARD SCHULTZ

HARRY LEO FRIEDMAN

JOHN FRANCIS SEMETULSKIS

CHRISTINE TOSHIKO FUJIMOTO, with  
Honors

THOMAS JOSEPH SKERIK

AVERY OVERTIS GORDON

DANNY LEE SMITH

FREDERICK WILLIAM HEINKEL

RALPH HENRY SPRANDEL, B.S.,

LAWRENCE JAY HORWITZ

Elmhurst College, 1954

RUTA KADIKIS

MICHAEL HOWARD STOLAR

ARTHUR KARL KING

JOHN WESLEY SWAIN, B.S., Tennessee

WILLIAM FRANK KORTUM

State University, 1957

ALLEN HOWARD LASKO

SHELIA KAY TOUQUAN, with Honors

ALVIN SHIEL LIPMAN

GUEILAR LAUREL TURNER

LEONA LUCILLE LUBANOWSKI

DAVID EDWARD USHKOW

ALLAN GILBERT MANDELL, B.S.,

THOMAS MILES VRHOVNIK

Roosevelt University, 1960

ROGER DALE WIENKE

## SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows made by the Dean of the Graduate College; declinations, resignations, and terminations; leaves of absence; cancellations of leaves of absence.

## APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

AARON, HOWARD B., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-26-64).

ABERTH, OLIVER G., Assistant Professor of Mathematics, Summer Session of 1964, ½ time, June 15-August 8, 1964, \$878 for the period (5-29-64).

ABRAMOSKE, DONALD J., Visiting Lecturer in History, Chicago Undergraduate Division, Summer Session of 1964, ¾ time, June 19-August 14, 1964, \$1,200 for the period (5-12-64).

AGGARWAL, JAGDISHKUMAR K., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,022.24 (4-27-64).

ANDERSON, LYNN R., Research Associate in Psychology, two months from June 16, 1964, \$1,133.32; this is in addition to his present appointment (5-21-64).

ANDERSON, TRUMAN O., Assistant Professor of Medicine and of Microbiology, College of Medicine, two months from July 1, 1964, \$12,000 a year, supersedes (5-7-64).

- ANDERSON, W. G., Visiting Lecturer in Educational Administration and Supervision, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$1,100 for the period (5-21-64).
- ANDREWS, ROLLIN D., III, Project Assistant in Aquatic Biology, in the Natural History Survey and in the Graduate College, three months from June 1, 1964, \$1,320 (4-23-64).
- AUGER, FERRIS K., Assistant in Elementary Education, Summer Session of 1964, July 13-August 8, 1964, \$567 for the period (4-19-64).
- AUSTIN, MERLYN P., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-22-64).
- BABLER, BERNARD J., Professor of Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$2,800 for the period (5-19-64).
- BAILEY, ALBERT D., Professor of Electrical Engineering (C), two months from June 16, 1964, \$1,488.89 a month; this is in addition to his present appointment (5-22-64).
- BARGER, ALLAN R., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$977.76 (4-27-64).
- BARTLOW, ROBERT M., Visiting Lecturer in History, Chicago Undergraduate Division, Summer Session of 1964,  $\frac{2}{3}$  time, June 19-August 14, 1964, \$900 for the period (5-12-64).
- BENSON, RICHARD L., Theatre Therapist in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 43/100 time, June 15-August 8, 1964, \$400 for the period (5-21-64).
- BEZKOROVAINY, GEORGY, Research Assistant in Civil Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-19-64).
- BIANCHINI, ALBERT C., Associate Professor of Theoretical and Applied Mechanics, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$978 for the period (5-29-64).
- BLASE, BARRIE W., Research Assistant in Physiology and Biophysics, two months from June 16, 1964, \$933.32 (5-21-64).
- BLEYMAN, MRS. LEA K., Research Associate in Zoology, one year from September 1, 1964, \$6,500 (5-11-64).
- BLOMME, RICHARD W., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,022.24 (4-27-64).
- BOHM, LARRY G., Project Assistant in Aquatic Biology, in the Natural History Survey and in the Graduate College, two months from July 1, 1964, \$776, superseded; and for one year from September 1, 1964, \$4,656 (4-23-64).
- BORRI, ROBERT P., Associate Professor of General Engineering, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$1,034 for the period (4-23-64).
- BOWEN, KENNETH A., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-19-64).
- BOWHILL, SIDNEY A., Professor of Electrical Engineering (C), two months from June 16, 1964, \$1,666.67 a month; this is in addition to his present appointment (5-28-64).
- BRIGGS, CARLETON W., Associate Professor of Art, Summer Session of 1964,  $\frac{2}{3}$  time, June 15-August 8, 1964, \$1,542 for the period (5-19-64).
- BROWN, GORDON E., Instructor in Mathematics, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$778 for the period, supersedes previous Summer Session appointment (5-29-64).
- BROWNLEE, JAMES L., JR., Assistant Professor of Analytical Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$1,800 for the period (5-15-64).
- BUDENBAUM, WARREN E., Research Associate in Chemistry, three months from June 1, 1964, \$550 a month (5-15-64).
- BULL, MRS. MARTHA M., Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, \$1,400 for the period (5-19-64).
- CAMPBELL, JACKSON J., Professor of English, Summer Session of 1964, June 15-August 8, 1964, \$1,667 for the period (5-25-64).
- CARTER, RICHARD D., Housefather in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 22/100 time, June 15-August 8, 1964, \$200 for the period (5-21-64).
- CASLER, DARWIN J., Assistant Professor of Accountancy, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$1,000 for the period; this is in addition to his present appointment (5-13-64).

- CHANG, HERBERT YU-PANG, Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,022.24 (4-27-64).
- CHEN, YUH-CHING, Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-19-64).
- CHURCHICH, JORGE E., Assistant Professor of Biological Chemistry, academic year 1964-65, \$7,400 (5-28-64).
- CLARKE, ROBERT G., Assistant in the Institute of Aviation, September 1, 1964-June 15, 1965, \$4,644.45 (4-21-64).
- CLARKE, ROBERT W., Assistant in Accountancy, Summer Session of 1964, June 15-August 8, 1964, \$949 for the period, supersedes previous Summer Session appointment on  $\frac{1}{2}$  time (5-11-64).
- CLOPTON, ROBERT W., Visiting Lecturer in History and Philosophy of Education, Summer Session of 1964, June 15-August 8, 1964, \$3,520 (5-25-64).
- COLEMAN, PAUL D., Professor of Electrical Engineering (C), two months from June 16, 1964, \$1,733.33 a month; this is in addition to his present appointment (5-28-64).
- COOPER, THOMAS L., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$977.76 (4-27-64).
- CORNELL, HARRISON K., Assistant Editor, with rank of Instructor, in Veterinary Medicine Administration, College of Veterinary Medicine, May 18-August 31, 1964, \$7,200 a year, supersedes (5-26-64).
- COSTIN, FRANK, Clinical Counselor in the Student Counseling Service, in the Executive Vice-President and Provost's Office, two months from June 16, 1964, \$1,170; this is in addition to his present appointment and to his Summer Session appointment on  $\frac{1}{2}$  time (5-27-64).
- CRAFORD, MAGNUS G., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$977.76 (4-27-64).
- CRANE, ROBERT M., Assistant to Vice-President of the Chicago Undergraduate Division, one year from September 1, 1964, \$14,500 (5-12-64).
- CREMER, BENNETT J., Staff Physician in the Health Service, one year from July 1, 1964, \$14,600 (5-4-64).
- CROSS, JUDY H., Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 16/100 time, June 15-August 8, 1964, \$150 for the period (5-21-64).
- CULLEN, DONALD E., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- CURLEY, DANIEL, Associate Professor of English, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$967 for the period (5-25-64).
- DAVID, ARIEL, Assistant in Psychiatry, College of Medicine, two months from July 1, 1964, without salary (5-8-64).
- DAVIES, MICHAEL S., Instructor in Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$1,112 for the period, supersedes previous Summer Session appointment on  $\frac{1}{2}$  time (5-19-64).
- DAVIS, HARVEY S., Research Assistant in Mathematics, two months from July 1, 1964, \$933.34 (4-24-64).
- DAVIS, NUEL P., Assistant Professor of English, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$756 for the period (5-25-64).
- DEAN, MRS. LORAIN P., Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, \$1,400 for the period (5-22-64).
- DEGENFORD, JAMES E., Research Associate in Electrical Engineering (S), three months from June 1, 1964, \$750 a month, supersedes (5-19-64).
- DEMARCO, WILLIAM, Psychologist in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 3/10 time, June 15-August 8, 1964, \$400 for the period (5-21-64).
- DENIS, MARIANNE, Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, \$2,100 for the period (5-27-64).
- DENNING, R. G., Research Associate in Chemistry, one year from September 1, 1964, \$7,200 (5-15-64).
- DESCHAMPS, GEORGES A., Professor of Electrical Engineering (C), June 16-June 30, 1964, \$2,111.11 a month; this is in addition to his present appointment (5-28-64).
- DIEKHANS, HERBERT H., Instructor in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$1,334 for the period (5-29-64).

- DODD, GEORGE G., Research Associate in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,166.68; this is in addition to his present appointment (4-28-64).
- DOYAMA, MASAO, Visiting Research Assistant Professor of Physics (C), one month from July 16, 1964, \$944.44 (5-21-64).
- DUBINSKY, EDWARD L., Visiting Lecturer in Mathematics, Summer Session of 1964, ½ time, June 15-August 8, 1964, \$900 for the period (5-29-64).
- D'ZURILLA, THOMAS J., Clinical Counselor in the Student Counseling Service in the Executive Vice-President and Provost's Office, two months from June 16, 1964, \$1,200 (5-26-64).
- EDWARDS, RALPH T., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- EERTMOED, GARY E., Research Assistant in Entomology, two months from June 16, 1964, \$933.34 (5-27-64).
- EFSC, EDWARD J., JR., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-25-64).
- FAIRBANKS, ROBERT P., Research Associate in the Institute of Government and Public Affairs, two months from June 16, 1964, \$2,000 (5-7-64).
- FORCUCCI, RICHARD A., Recreation Director in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 19/100 time, June 15-August 8, 1964, \$175 for the period (5-21-64).
- FORSMAN, RODERICK G., Research Assistant in Psychology, two months from June 16, 1964, \$933.32 (5-25-64).
- FOX, KENNETH L., Instructor in Accountancy, ¾ time, academic year 1964-65, \$3,750 (5-11-64).
- FRADIN, FRANK Y., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-27-64).
- FRANZ, FRANK A., Research Associate in the Coordinated Science Laboratory (C), three months from June 1, 1964, \$666.67 a month, supersedes (5-19-64).
- FRETWELL, CHARLES C., Research Associate in Theoretical and Applied Mechanics (C), two months from June 16, 1964, \$1,377.78; this is in addition to his present appointment (5-25-64).
- GAGE, VIVIAN E., Research Associate in Microbiology, May 15-August 31, 1964, \$2,187.50 (5-6-64).
- GALLAGHER, JAMES J., Professor of Special Education, Summer Session of 1964, June 15-July 11, 1964, \$1,478 for the period, supersedes his previous Summer Session appointment (5-26-64).
- GEORGE, MRS. MARGARET Y., Assistant Professor of History, Chicago Undergraduate Division, Summer Session of 1964, ⅔ time, June 19-August 14, 1964, \$1,150 for the period (5-28-64).
- GERSTNER, OTTO, Instructor in Mathematics, Summer Session of 1964, ½ time, June 15-August 8, 1964, \$834 for the period, supersedes his previous Summer Session appointment (5-29-64).
- GERSTNER, ROBERT W., Associate Professor of Civil Engineering, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$2,000 for the period (5-21-64).
- GIESEKING, DARRELL L., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,111.12 (4-27-64).
- GIESELMAN, ROBERT D., Instructor in Business English, Summer Session of 1964, ½ time, June 15-August 8, 1964, \$600 for the period (5-27-64).
- GILMORE, GENE, Assistant Professor of Journalism, two months from June 16, 1964, \$912 (5-11-64).
- GOHDE, WILLIAM C., Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 16/100 time, June 15-August 8, 1964, \$150 for the period (5-21-64).
- GOLDSTEIN, LADISLAS, Professor of Electrical Engineering (C), two months from June 16, 1964, \$2,244.44 a month; this is in addition to his present appointment (5-28-64).
- GONNELLA, JOSEPH S., Assistant in Medicine, College of Medicine, one year from July 1, 1964, \$7,200 (4-24-64).
- GOODRICH, HERBERT, Instructor in Business English, Summer Session of 1964, ½ time, June 15-August 8, 1964, \$656 for the period (5-25-64).



- GORE, PEARL M., Assistant Professor of Psychology, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$812 for the period (5-27-64).
- HALL, J. F., Visiting Lecturer in Educational Administration and Supervision, Summer Session of 1964, June 15-July 10, 1964, \$1,100 for the period (5-21-64).
- HAMBLE, DAVID G., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- HANNAH, HAROLD W., Project Director in the University Office of Agency for International Development Projects (Office of the Executive Vice-President and Provost), under Contract AID/csd-349 to prepare a "Resources Handbook for Agricultural Universities," three months from June 16, 1964, \$1,755.55 a month; this is in addition to his present appointment (5-7-64).
- HARRIS, RICHARD E., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- HARTLEY, ARNOLD M., Associate Professor of Analytical Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$1,978 for the period (5-13-64).
- HARTOCH, ARNOLD J., Associate Professor of Foreign Languages, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$2,300 for the period, supersedes his previous Summer Session appointment on  $\frac{2}{3}$  time (5-12-64).
- HAYDEN, EDGAR C., Associate Professor of Electrical Engineering (C), two months from June 16, 1964, \$1,416.67 a month; this is in addition to his present appointment (5-28-64).
- HECHT, NORMAN B., Research Assistant in Microbiology, April 1-September 15, 1964, \$2,566.69 (5-1-64).
- HEIPLE, CLINTON R., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-27-64).
- HENDERSON, ROBERT A., Associate Professor of Special Education, Summer Session of 1964, June 15-August 8, 1964, \$2,223 for the period (5-27-64).
- HENRY, JOHN A., Counselor in the Student Counseling Service, Executive Vice-President and Provost's Office,  $\frac{1}{2}$  time, June 16-August 15, 1964, \$1,260; this is in addition to his present appointment (5-27-64).
- HEPBURN, LINDA E., Housemother in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 22/100 time, June 15-August 8, 1964, \$200 for the period (5-21-64).
- HERRING, TOD, Visiting Lecturer in Vocational and Technical Education, Summer Session of 1964, June 15-July 10, 1964, \$1,100 for the period (5-25-64).
- HERRON, ROBERT E., Research Assistant in Physical Education for Men, September 1-15, 1963, \$233.33, and June 16-August 31, 1964, \$1,375, supersedes (5-1-64).
- HIGGS, WILLIAM J., Research Assistant in Psychology, two months from June 16, 1964, \$933.32 (5-12-64).
- HIPSKIND, JOHN P., Assistant Professor of General Engineering, Summer Session of 1964, June 15-August 8, 1964, \$1,600 for the period (4-23-64).
- HOFFMAN, ROBERT A., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-26-64).
- HOLBROOK, JOHN C., II, Project Assistant in the Natural History Survey (Aquatic Biology Section) and in the Graduate College, June 1-September 15, 1964, \$1,050 (5-7-64).
- HOLMES, ROLAND W., Visiting Lecturer in English, academic year 1964-65, \$10,800 (5-18-64).
- HOSKEN, ROBERT W., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$977.76 (4-28-64).
- HOVDE, HELEN J., Instructor in Speech, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$1,689 for the period (4-30-64).
- HUBSON, PAUL K., Assistant Professor of Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$2,267 for the period, supersedes previous Summer Session appointment on  $\frac{3}{4}$  time (5-25-64).
- HUFFAKER, DONALD C., Research Associate in Theoretical and Applied Mechanics (C), two months from June 16, 1964, \$1,200; this is in addition to his present appointment (5-25-64).

- HUITEMA, ROY, Assistant to the Dean of the College of Liberal Arts and Sciences, Chicago Undergraduate Division, June 22-August 14, 1964, \$2,800; this is in addition to his present appointment (5-28-64).
- HUNT, J. McV., Professor of Psychology, one year from July 1, 1964, \$21,150, and on indefinite tenure beginning September 1, 1965, to render service during each academic year (5-7-64).
- ICHIMARU, SETSUO, Research Associate in Physics (C), three months from July 1, 1964, \$1,000 a month (5-7-64).
- ITAGAKI, EIJI, Research Associate in Chemistry, one year from September 1, 1964, \$7,200 (5-15-64).
- JACKSON, JOSEPH F., Professor of French,  $\frac{1}{2}$  time, June 16-August 8, 1964, \$1,445; this is in addition to his present appointment (5-22-64).
- JACOBS, JOHN T., Research Assistant in the Coordinated Science Laboratory, two months from June 16, 1964, \$1,022.24 (4-28-64).
- JENKINS, JOE W., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).
- JOHNSON, ELLIS D., Clinical Instructor in Neurology, Department of Neurology and Neurological Surgery and Epilepsy, College of Medicine,  $\frac{4}{10}$  time, five months from April 1, 1964, \$3,000 a year (5-27-64).
- JOHNSON, JOHN A., Assistant in Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$1,067 for the period, supersedes his previous Summer Session appointment on  $\frac{1}{2}$  time (5-21-64).
- JOHNSON, PETER, Visiting Lecturer in Chemistry, two months from September 1, 1964, \$1,445 (5-15-64).
- JOHNSON, ROBERT A., Assistant in the Institute of Aviation, two months from June 16, 1964, \$933.34 (5-24-64).
- KAISER, DALE E., Visiting Lecturer in Educational Administration and Supervision, Summer Session of 1964, July 13-August 8, 1964, \$1,100 for the period (5-25-64).
- KAPLAN, JULES B., Instructor in Mathematics, Chicago Undergraduate Division, academic year 1964-65, \$6,500 (5-4-64).
- KELLEY, CORNELIA P., Associate Professor of English, nine months from September 16, 1963, \$8,600, supersedes (5-18-64).
- KILLIP, DEVORE E., Assistant Professor of Teacher Education, College of Dentistry, three months from June 1, 1964, \$12,000 a year, supersedes (5-28-64).
- KINSEY, PHILIP A., Visiting Lecturer in Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$2,667 for the period (5-13-64).
- KIRK, DONALD E., Instructor in the Coordinated Science Laboratory (C),  $\frac{1}{2}$  time, two months from June 16, 1964, \$555.56; this is in addition to his present appointment (5-4-64).
- KOBAYASHI, MAKOTO, Research Associate in Physiology and Biophysics, one year from October 1, 1964, \$6,100 (5-28-64).
- KRAMER, DANIEL C., Instructor in Political Science, academic year beginning September 1, 1964, \$7,800 (5-11-64).
- KRYSAN, JAMES L., Research Assistant in Entomology, June 16-August 31, 1964, \$1,385 (4-27-64).
- KUPPERMAN, DAVID S., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- LABACH, WILLIAM A., Research Assistant in Mathematics, two months from July 1, 1964, \$933.34 (4-23-64).
- LAHEY, JAMES M., Instructor in Commerce Administration, College of Commerce and Business Administration,  $\frac{1}{4}$  time, two months from June 16, 1964, \$277.78; this is in addition to his appointment as Instructor in Accountancy (4-24-64).
- LANGSTON, MRS. GENEVIEVE R., Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, \$2,100 for the period (5-25-64).
- LARSON, ARLYN J., Research Associate in the Institute of Government and Public Affairs, June 1-August 15, 1964, \$2,500 (5-4-64).
- LATTA, THOMAS M., Research Assistant in Chemistry, June 16-August 31, 1964, \$1,072.93, supersedes (5-27-64).

- LEACH, JAMES L., Adviser in the Engineering Institute Program for Engineering Educators in India, for service under Contract AIDc-1220, for the period May 15 through July 8, 1964, \$1,356.66 a month; this is in addition to his present appointment (5-7-64).
- LIDE, FRANCIS P., JR., Instructor in Germanic Languages and Literatures, Summer Session of 1964, June 15-August 8, 1964, \$1,200 for the period (5-13-64).
- LIE, TAEJOURN, Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$977.76 (4-28-64).
- LIEM, KAREL F., Assistant Professor of Anatomy, College of Medicine, one year from September 1, 1964, \$10,000 (5-15-64).
- LIVINGSTON, WILLIAM R., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).
- LOUSTAUNAU, JOAQUIN O., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).
- MANNING, ERIC G., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,022.24 (4-28-64).
- MATSUMOTO, YORIMI, Instructor in Biophysics, Department of Physiology and Biophysics, three months from June 1, 1964, \$6,100 a year, supersedes (5-19-64).
- MCCOY, DAVID W., Visiting Lecturer in Political Science, Chicago Undergraduate Division, Summer Session of 1964, 1/2 time, June 19-August 14, 1964, \$900 for the period (5-7-64).
- MELIN, JOHN W., Assistant Professor of Civil Engineering, Summer Session of 1964, 7/10 time, June 15-August 8, 1964, \$1,323 for the period (5-29-64).
- MELOY, C. R., Professor of Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$3,300 for the period (5-19-64).
- MENDEL, CLIFFORD W., JR., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,200 (4-28-64).
- MERIDETH, CHARLES W., Research Associate in Chemistry, one year from September 1, 1964, \$6,800 (5-15-64).
- MERRILL, MARY E., Assistant in English, Summer Session of 1964, June 15-August 8, 1964, \$978 for the period (5-21-64).
- METROPOLE, MRS. SONIA, Research Associate in Theoretical and Applied Mechanics (C), two months from June 16, 1964, \$1,244.44; this is in addition to her present appointment (5-25-64).
- MICHAEL, EDWIN K., Research Assistant in Physiology and Biophysics, two months from June 16, 1964, \$933.32 (5-4-64).
- MIGNON, CHARLES W., JR., Assistant Professor of English, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, \$778 for the period (5-27-64).
- MILLAR, BARBARA P., Cataloger, with rank of Instructor, in the Library of Medical Sciences, at the Medical Center, one year from September 1, 1964, \$6,200 (5-18-64).
- MILLER, RAYMOND P., Research Associate in Civil Engineering (C), June 16-August 31, 1964, \$1,750; this is in addition to his present appointment (5-22-64).
- MOCK, WILLIS, JR., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- MOHLER, HANSPETER, Research Assistant in Geology, two months from June 16, 1964, \$934 (5-15-64).
- MONTGOMERY, ALBERT G., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-22-64).
- MOOTY, MARY E., Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, \$2,100 for the period (5-21-64).
- MORGAN, BRUCE W., Instructor in Economics, Summer Session of 1964, June 15-August 8, 1964, \$1,889 for the period (5-25-64).
- MORRIS, VAN CLEVE, Visiting Lecturer in History and Philosophy of Education, Summer Session of 1964, June 15-August 8, 1964, \$2,400 for the period (5-22-64).
- MRACEK, JAROSLAV J., Instructor in Music, academic year 1964-65, \$7,100 (5-28-64).
- MUELLER, THOMAS E., Research Associate in the Coordinated Science Laboratory (C), 1/2 time, two months from June 16, 1964, \$570.84; this is in addition to his present appointment (4-28-64).

- MULLEN, JAMES, Visiting Lecturer in Advertising, Summer Session of 1964, June 15-August 8, 1964, \$2,534 (5-1-64).
- MURATA, TADAO, Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$933.32 (4-28-64).
- MURPHY, LAWRENCE W., Professor of Journalism, nine months from September 16, 1963, \$11,400, supersedes (5-4-64).
- NAHORNIAK, MYRA, Assistant in Physical Education for Women, Chicago Undergraduate Division, nine months from September 16, 1964, \$5,000 (5-8-64).
- NEUHAUS, HERBERT, Clinical Instructor in Medicine, College of Medicine, five months from April 1, 1964, without salary (4-24-64).
- NIKOLAI, ROBERT J., Research Associate in Theoretical and Applied Mechanics (C), two months from June 16, 1964, \$1,377.78 (5-25-64).
- NORTON, JOHN C., Project Assistant in the Natural History Survey and in the Graduate College, April 15-June 30, 1964, \$760 (5-5-64).
- ONAGA, KENJI, Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,022.24 (4-28-64).
- ORR, BETTY E., Associate Professor of Education, Chicago Undergraduate Division, indefinite tenure beginning September 1, 1964, to render service during each academic year, \$9,500 a year (5-8-64).
- OTTING, WILLIAM J., JR., Lecturer in Physics (C), two months from July 1, 1964, \$2,888 (5-22-64).
- PENNISI, LOUIS L., Associate Professor of Mathematics, Chicago Undergraduate Division, Summer Session of 1964,  $\frac{1}{2}$  time, June 19-August 14, 1964, \$1,112 for the period (5-28-64).
- PETERSON, HAROLD A., Supervisor in Speech and Theatre—Summer Residential Program, Summer Session of 1964, June 15-August 8, 1964, \$1,400 for the period (5-21-64).
- PFELFER, ROBERT F., Research Assistant in Electrical Engineering (C), two months from June 16, 1964, \$1,022.22 (5-21-64).
- PIPER, THOMAS C., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,066.68 (4-28-64).
- PORTER, ZIGMUND, Instructor in Periodontics, Department of Applied Materia Medica and Therapeutics, College of Dentistry,  $\frac{1}{2}$  time, one year from September 1, 1964, \$4,000 (5-15-64).
- POWERS, DONALD J., Assistant in Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$978 for the period, supersedes previous Summer Session appointment on  $\frac{1}{2}$  time (5-21-64).
- PRATIE, BARBARA B., Research Assistant in Chemistry,  $\frac{2}{3}$  time, five months from April 1, 1964, \$1,527.75, supersedes full-time appointment (5-14-64).
- PRINZ, ANDREW K., Visiting Lecturer in History, Chicago Undergraduate Division, Summer Session of 1964,  $\frac{2}{3}$  time, June 19-August 14, 1964, \$1,036 for the period (5-7-64).
- PUMPHREY, FRED H., Adviser in the Engineering Institute Program for Engineering Educators in India, for service under Contract AIDc-1220, June 5-July 20, 1964, \$1,485 a month (5-7-64).
- RADDATZ, MRS. ANNE C., Visiting Lecturer in Special Education, Summer Session of 1964, June 15-August 8, 1964, \$1,200 for the period (5-27-64).
- RAUCH, GARY C., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-22-64).
- RIZZO, FRANK J., Instructor in Theoretical and Applied Mechanics (C), academic year 1964-65, \$6,300 (5-11-64).
- ROAN, VERNON P., JR., Research Associate in Aeronautical and Astronautical Engineering (C),  $\frac{1}{2}$  time, two months from June 16, 1964, \$444.44; this is in addition to his present appointment (5-27-64).
- ROBINSON, MARIE L., Research Assistant in Chemistry, three months from June 16, 1964, \$1,400.01 (5-18-64).
- ROSENBAUM, RALPH L., Research Assistant in Physics (C), two months from June 16, 1964, \$1,022.22 (5-14-64).
- ROSS, ROBERT C., Leader of Foreign Agriculture Visitors, in the Office of AID Projects,  $\frac{1}{2}$  time, one year from September 1, 1964, \$6,750 (5-8-64).

- RUELLE, ROBERT, Assistant in the Institute of Aviation, two months from June 16, 1964, \$933.34 (4-24-64).
- RUSSELL, JOHN K., Instructor in Electrical Engineering (C), two months from June 16, 1964, \$1,133.34; this is in addition to his present appointment (5-27-64).
- SAAM, WILLIAM F., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-1-64).
- SAB, CHIN-TANG, Professor of Electrical Engineering (C), two months from June 16, 1964, \$1,666.67 a month; this is in addition to his present appointment (6-2-64).
- SAIN, MICHAEL K., Instructor in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,111.12 (5-7-64).
- SANGSTER, WILLIAM, Professor of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$2,578 for the period (5-28-64).
- SAUERS, ERNEST S., Research Assistant in the Center for Zoonoses Research, College of Veterinary Medicine, June 1-September 19, 1964, \$1,816.67 (5-26-64).
- SCHAFER, ELTON D., Research Assistant in Physics (C), two months from June 16, 1964, \$1,022.22 (5-1-64).
- SCHILD, MILO A., Research Assistant in Physics (C), two months from June 16, 1964, \$933.34 (5-14-64).
- SCHMITZ, ROGER A., Assistant Professor of Chemical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$878 for the period (5-19-64).
- SCHROER, DAVID E., Instructor in Mathematics, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$856 for the period, supersedes previous Summer Session appointment (5-29-64).
- SHANK, MAX C., Professor of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$2,400 for the period, supersedes previous Summer Session appointment on  $\frac{3}{4}$  time (5-28-64).
- SHARMA, KAMAL N., Visiting Research Assistant Professor of Psychology and of Physiology, one year from August 16, 1964 \$9,455 (5-28-64).
- SIMPSON, ELIZABETH J., Associate Professor of Vocational and Technical Education, Summer Session of 1964, July 13-August 8, 1964, \$1,112 for the period, supersedes previous Summer Session appointment (5-25-64).
- SMITH, CECIL D., Assistant Dean of the College of Agriculture, with rank of Professor, on indefinite tenure, June 1, 1964-August 31, 1965, \$15,000 a year, supersedes (5-4-64).
- SMITH, DAVID Y., Assistant Professor of Physics, Summer Session of 1964, June 15-August 8, 1964, \$1,800 for the period, and Research Assistant Professor of Physics, August 9-August 31, 1964, \$8,200 a year, supersedes (5-1-64).
- SMITH, THOMAS E., JR., Instructor in Theoretical and Applied Mechanics (C),  $\frac{1}{2}$  time, academic year 1964-65, \$2,800 (5-11-64).
- SNYDER, DAVID P., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,066.68 (4-28-64).
- SPITZE, HAZEL T., Assistant Professor of Vocational and Technical Education, Summer Session of 1964, June 15-July 10, 1964, \$889 for the period (5-25-64).
- SPOR, ROBERT W., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-22-64).
- STALLMAYER, JAMES E., Professor of Civil Engineering, Summer Session of 1964,  $\frac{1}{2}$  time, June 15-August 8, 1964, \$1,334 for the period (5-1-64).
- STEFFEN, THOMAS B., Research Assistant in the Center for Zoonoses Research, College of Veterinary Medicine, June 1-September 19, 1964, \$1,816.67, supersedes (5-26-64).
- STEIN, HERBERT J., Assistant Professor of Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$2,000 for the period (5-21-64).
- STOTLAND, VICTOR G., Research Assistant in Physics (C), two months from June 16, 1964, \$1,022.22 (5-15-64).
- STUCKY, GALEN D., Assistant Professor of Inorganic Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$1,734 for the period (5-13-64).
- SWARD, GILBERT L., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).

- TAHIM, GURCHARGAN S., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$1,111.12 (4-28-64).
- THAYER, FREDERICK D., Assistant in Slavic Languages and Literatures, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-19-64).
- THOMAS, IAN B., Research Assistant in Electrical Engineering (C),  $\frac{3}{4}$  time, and Assistant in Electrical Engineering (C),  $\frac{1}{4}$  time, February 1-June 15, 1964, \$2,333.33, supersedes (4-29-64).
- THOMPSON, M. N., Research Associate in Physics (C), one year from September 1, 1964, \$8,500 (5-28-64).
- THOMPSON, SAMUEL R., III, Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).
- THULEN, JACK L., Field Assistant in the Natural History Survey and in the Graduate College, four months from May 1, 1964, \$1,060 (5-15-64).
- TIBBETTS, GARY G., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, \$977.76 (4-28-64).
- TODESCHINI, C., Instructor in Theoretical and Applied Mechanics (C),  $\frac{1}{2}$  time, academic year 1964-65, \$2,800 (5-11-64).
- TOROK, NICHOLAS, Associate Professor of Otolaryngology, College of Medicine,  $\frac{4}{10}$  time, three months from June 1, 1964, \$566.66 a month (5-7-64).
- TOTTEN, STANLEY M., Research Associate in Geology, two months from June 1, 1964, \$1,000 (5-11-64).
- TROWER, WILLIAM P., Research Assistant in Physics (C), two months from June 16, 1964, \$977.78 (5-1-64).
- VANDYKE, PATRICIA A., Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 16/100 time, June 15-August 8, 1964, \$150 for the period (5-21-64).
- VARDAMAN, HAZEL, Assistant to the Dean of the College of Liberal Arts and Sciences, Chicago Undergraduate Division, June 22-August 14, 1964, \$2,622; this is in addition to her present appointment (5-28-64).
- VON HENTIG, RONALD, Instructor in Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964,  $\frac{1}{2}$  time, June 19-August 14, 1964, \$556 for the period (5-28-64).
- WAKAE, MASAMI, Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).
- WALETT, FRANCIS, Visiting Lecturer in History and Philosophy of Education, Summer Session of 1964, June 15-August 8, 1964, \$2,000 for the period (5-25-64).
- WALLO, EDWARD M., Research Assistant in Theoretical and Applied Mechanics (C), two months from June 16, 1964, \$1,244.44 (5-25-64).
- WEISE, MRS. URSULA A., Assistant Editor of Publications, College of Engineering, one year from September 1, 1964, \$7,000 (5-19-64).
- WELLS, JOHN D., Research Associate in Secondary and Continuing Education, College of Education, June 22-August 15, 1964, \$2,100 (5-28-64).
- WESTLAKE, A. H., Research Associate in Chemistry, two months from June 16, 1964, \$1,050 (5-15-64).
- WHEELER, D. M. S., Visiting Lecturer in Organic Chemistry, Summer Session of 1964, June 15-August 8, 1964, \$2,000 for the period (5-19-64).
- WILBER, GORDON A., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-22-64).
- WILDE, ROBERT R., Assistant in Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, \$1,034 for the period (5-21-64).
- WILLIAMS, DAVID L., Assistant in Elementary Education, Summer Session of 1964, June 15-July 11, 1964, \$567 for the period (5-19-64).
- WILLNER, ERNEST S., Associate Professor of Foreign Languages, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, \$2,112 for the period, supersedes previous Summer Session appointment on  $\frac{2}{3}$  time (5-12-64).
- WILLSON, ROBERT H., Research Assistant in the Coordinated Science Laboratory (C), June 16-August 15, 1964, \$1,022.24 (4-28-64).
- WIRTH, DAVID G., JR., Research Assistant in Ceramic Engineering (C),  $\frac{2}{3}$  time, September 1, 1964-June 15, 1965, \$3,800, and full time, June 16-August 31, 1965, \$1,500 (5-5-64).

- WONG, BING K., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-21-64).  
 YOSHIOKA, TAKAO, Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, \$1,277.80 (5-22-64).  
 YOUNG, PETER N., Visiting Lecturer in English, Summer Session of 1964, June 15-August 8, 1964, \$2,500 (5-25-64).  
 YOUNG, STANLEY, Visiting Lecturer in Industrial Administration, Summer Session of 1964, ½ time, June 15-August 8, 1964, \$1,223 for the period (5-25-64).  
 YUDIN, FLORENCE L., Assistant in Spanish, Summer Session of 1964, June 15-August 8, 1964, \$934 for the period (5-11-64).

#### FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- ABU-SALIH, MUHAMMAD, Summer Fellow in Mathematics, two months from June 16, 1964, \$450 (4-14-64).  
 ALEXANDER, RICHARD W., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).  
 ALLEN, DONALD B., Summer Fellow in Geology, two months from June 16, 1964, \$450 (4-14-64).  
 ALLGOOD, WILLIAM T., Special Fellow in Music, nine months from September 16, 1964, \$1,800 (5-18-64).  
 ANDERSON, NORMAN J. B., Summer Fellow in Education, two months from June 16, 1964, \$450 (4-14-64).  
 ANDERSON, STUART H., Summer Fellow in Mathematics, two months from June 16, 1964, \$450 (4-14-64).  
 ANDREWS, JOAN L., Special Summer Fellow in Mathematics, two months from June 16, 1964, \$375 (4-24-64).  
 ASPNES, EDNA J. H., National Science Foundation Cooperative Fellow III in Physics, one year from September 1, 1964, \$2,800 (5-11-64).  
 BAILEY, RONALD B., Summer Fellow in Political Science, two months from June 16, 1964, \$450 (4-14-64).  
 BASSEL, BYRON A., JR., Postdoctoral Fellow in Microbiology, five months from July 1, 1964, \$2,500 (5-25-64).  
 BECKER, DAVID H., Summer Fellow in Art, two months from June 16, 1964, \$450 (4-14-64).  
 BELZER, EDWIN G., JR., Summer Fellow in Health and Safety Education, two months from June 16, 1964, \$450 (4-14-64).  
 BOICHOT, LANCE, National Science Foundation Trainee II in Civil Engineering, nine months from September 16, 1964, \$1,950 (4-30-64).  
 BONHAM, JAMES A., Standard Oil (of California) Fellow in Chemistry, nine months from September 16, 1964, \$2,400 (4-22-64).  
 BOUMA, MARILYN, Summer Fellow in Spanish, two months from June 16, 1964, \$450 (4-14-64).  
 BOWERS, ANNE S., Special Summer Fellow in English, two months from June 16, 1964, \$375 (4-24-64).  
 BRANDT, RICHARD C., National Science Foundation Cooperative Fellow II in Physics, one year from September 1, 1964, \$3,100 (5-14-64).  
 BRAROE, NIELS W., Summer Fellow in Sociology, two months from June 16, 1964, \$450 (4-14-64).  
 BRIESKE, GEORGE H., Summer Fellow in Accountancy, two months from June 16, 1964, \$450 (4-14-64).  
 BRITTAIN, THOMAS M., National Science Foundation Cooperative Fellow III in Mechanical Engineering, nine months from September 16, 1964, \$3,225 (5-11-64).  
 BROCK, JARRETT E., Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-14-64).  
 BROWN, FREDERICK S., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$489 (5-5-64).  
 BUCHHOLZ, ALLAN C., Allied Chemical Corporation Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (4-22-64).  
 BUCHHOLZ, EUGENE K., Summer Fellow in Mechanical and Industrial Engineering, two months from June 16, 1964, \$450 (4-14-64).

- BUFFINGTON, JOHN D., National Science Foundation Cooperative Fellow in Zoology, one year from September 1, 1964, \$2,600 (5-11-64).
- BUFFINGTON, SIDNEY C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,428.75, supersedes (5-11-64).
- BUNGER, MELODY P., Fellow in Creative and Performing Arts (Music), nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450, supersedes (5-18-64).
- CALDER, JOHN A., United States Public Health Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$466.66 (5-21-64).
- CARDENAS, MARY J., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- CARLEY, MRS. YVONNE F., Summer Fellow in Home Economics, two months from June 16, 1964, \$450 (4-14-64).
- CARMEAN, STEPHEN L., Summer Fellow in Psychology, two months from June 16, 1964, \$450 (4-14-64).
- CARMICHAEL, DOUGLAS R., Summer Fellow in Accountancy, two months from June 16, 1964, \$450 (4-14-64).
- CARTER, BRADLEY K., Special Summer Fellow in Political Science, two months from June 16, 1964, \$375 (4-24-64).
- CLAYTON, LEE S., National Science Foundation Cooperative Fellow III in Geology, nine months from September 16, 1964, \$2,100 (5-11-64).
- COLLIER, C. PATRICK, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,288.75, supersedes (5-11-64).
- CONATSER, CHARLES W., National Science Foundation Summer Fellow in Mathematics, June 16-September 8, 1964, \$1,020 (5-7-64).
- CORDERO, RONALD A., Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-14-64).
- CRAIG, GEORGE D., National Science Foundation Summer Fellow in Economics, June 16-August 11, 1964, \$680 (5-7-64).
- CROUCH, STANLEY R., National Science Foundation Summer Fellow in Chemistry, June 16-August 25, 1964, \$850 (5-7-64).
- CUSHMAN, DAVID W., Minnesota Mining and Manufacturing Company Fellow in Chemistry, eleven months from September 16, 1964, \$2,500 (5-11-64).
- CYR, ROBERT A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- DALTON, WILLIAM O., United States Public Health Service Fellow (Trainee) in Chemistry, seven months from February 1, 1964, \$1,457, supersedes (4-27-64).
- DAS, ASIT B., Summer Fellow in Physiology, two months from June 16, 1964, \$450 (4-14-64).
- DAVIS, GEORGE C., JR., Summer Fellow in History, two months from June 16, 1964, \$450 (4-14-64).
- DEBORD, WARREN A., Summer Fellow in Marketing, two months from June 16, 1964, \$450 (4-14-64).
- DIAZ, MODESTO M., Summer Fellow in Spanish, two months from June 16, 1964, \$450 (5-19-64).
- DIXON, DANIEL B., Summer Fellow in Chemistry, two months from June 16, 1964, \$450 (4-14-64).
- DODGE, WILLIAM J., National Aeronautics and Space Administration Fellow (Trainee) in Mathematics, one year from September 1, 1964, \$2,600 (4-20-64).
- DOLAN, THOMAS J., JR., National Aeronautics and Space Administration Fellow (Trainee) in Nuclear Engineering, one year from September 1, 1964, \$2,400 (4-15-64).
- DONOHUE, JOHN T., DuPont Fellow in Physics, nine months from September 16, 1964, \$2,400 (4-11-64).
- DOUBLEDAY, JAMES F., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- EATON, JOHN L., United States Public Health Service Fellow (Trainee) in Entomology, one year from July 1, 1964, \$2,880 (5-1-64).
- EBNER, CHARLES A., National Science Foundation Cooperative Fellow II in Physics, one year from September 1, 1964, \$2,600 (5-11-64).
- EDGERTON, STEPHENIE G., Summer Fellow in Education, two months from June 16, 1964, \$450 (4-14-64).



- EPLEY, TROYL D., Monsanto Chemical Corporation Fellow in Chemistry, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$400 (4-22-64).
- EVANS, KENNETH E., JR., Summer Fellow in Physics, two months from June 16, 1964, \$450 (4-14-64).
- FINDLEY, MILDRED M., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- FORSE, JAMES H., Summer Fellow in History, two months from June 16, 1964, \$450 (4-14-64).
- FOYS, ROBERT M., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- FRIEBERG, ROBERT J., National Science Foundation Cooperative Fellow II in Physics, one year from June 16, 1964, \$3,100 (5-11-64).
- FRINCKE, GERALD L., National Science Foundation Summer Fellow in Psychology, June 16-August 11, 1964, \$680 (5-7-64).
- GAGLIANO, FELIX V., JR., Special Summer Fellow in Political Science, two months from June 16, 1964, \$500 (4-23-64).
- GANS, DANIEL J., National Science Foundation Cooperative Fellow II in Mathematics, one year from June 16, 1964, \$2,600 (5-11-64).
- GASS, DAVID M., Chemical Industries Council Summer Fellow in Chemistry, two months from June 16, 1964, \$500 (5-11-64).
- GEMRICH, EDWIN G., II, United States Public Health Service Fellow (Trainee) in Entomology, two months from July 1, 1964, \$480 (5-1-64).
- GOFF, JAMES F., Summer Fellow in Geography, two months from June 16, 1964, \$450 (4-14-64).
- GOLDSMITH, LEONARD J., Summer Fellow in Psychology, two months from June 16, 1964, \$450 (4-14-64).
- GRAY, LEWIS R., Summer Fellow in Botany, two months from June 16, 1964, \$450 (4-14-64).
- GREENLEE, JAMES W., Summer Fellow in French, two months from June 16, 1964, \$450 (4-14-64).
- GRIEGO, RICHARD J., National Science Foundation Cooperative Fellow II in Mathematics, one year from September 1, 1964, \$3,100 (5-11-64).
- GURAK, ADRIANE M., Summer Fellow in Chemistry, two months from June 16, 1964, \$450 (4-14-64).
- GUTMAN, DAVID, National Science Foundation Summer Fellow in Chemistry, June 16-September 8, 1964, \$1,020 (5-7-64).
- HABACIVCH, WILLIAM, National Science Foundation Summer Fellow in Economics, June 16-September 8, 1964, \$1,020 (5-7-64).
- HAHN, WILLIAM F., Summer Fellow in Mechanical and Industrial Engineering, two months from June 16, 1964, \$450 (4-14-64).
- HALEY, KENNETH W., Union Carbide-Carbon Summer Fellow in Chemical Engineering, two months from June 16, 1964, \$500 (5-19-64).
- HARMER, RICHARD S., National Aeronautics and Space Administration Fellow (Trainee) in Ceramic Engineering, one year from September 1, 1964, \$2,600 (5-18-64).
- HARRIS, RICHARD E., National Aeronautics and Space Administration Fellow (Trainee) in Physics, nine months from September 16, 1964, \$1,950 (4-21-64).
- HARTWELL, GEORGE E., National Science Foundation Summer Fellow in Chemistry, June 16-September 8, 1964, \$1,020 (5-7-64).
- HENDRIX, HELEN C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$3,600 (4-17-64).
- HERLOCKER, DAVID W., National Science Foundation Cooperative Fellow II in Chemistry, one year from September 1, 1964, \$2,600 (5-11-64).
- HEUR, RONALD E., National Science Foundation Cooperative Fellow II in Geology, nine months from September 16, 1964, \$1,950 (5-11-64).
- HIMAN, HUGH K., Summer Fellow in Economics, two months from June 16, 1964, \$450 (4-14-64).
- HUCKO, LEILA E., Charles E. Merriam Fellow in Political Science, nine months from September 16, 1964, \$1,500 (5-11-64).
- HUSEMAN, RICHARD C., Summer Fellow in Speech, two months from June 16, 1964, \$450 (4-14-64).

- INMAN, FRANKLIN P., JR., Postdoctoral Fellow in Microbiology, three months from June 1, 1964, \$1,875 (5-21-64).
- IRELAND, RONALD G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (4-17-64).
- JACOBSON, LEWIS A., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- JASNOW, DAVID, National Aeronautics and Space Administration Fellow (Trainee) in Physics, nine months from September 16, 1964, \$1,800 (5-4-64).
- JEN, LINDA C., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- JENSEN, CLARA S., Summer Fellow in Political Science, two months from June 16, 1964, \$450 (4-14-64).
- JOHNSON, JOHN A., National Science Foundation Cooperative Fellow I in Physics, one year from September 1, 1964, \$2,900 (5-11-64).
- JOHNSON, KAREN L., Summer Fellow in Botany, two months from June 16, 1964, \$450 (4-14-64).
- JUNG, ROBERT, Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-21-64).
- KATZ, JOSE, Summer Fellow in Physics, two months from June 16, 1964, \$450 (4-14-64).
- KEENER, RONALD L., Phillips Petroleum Company Fellow in Chemistry, nine months from September 16, 1964, \$2,000 (5-21-64).
- KEITH, HAROLD D., National Science Foundation Cooperative Fellow II in Theoretical and Applied Mechanics, one year from September 1, 1964, \$2,600 (5-11-64).
- KELLEHER, JAMES J., National Science Foundation Cooperative Fellow II in Mathematics, one year from June 16, 1964, \$2,600 (5-11-64).
- KENJASKI, STANLEY, National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, \$2,400 (4-29-64).
- KESSLER, JOHN E., Summer Fellow in Accountancy, two months from June 16, 1964, \$450 (4-14-64).
- KINDT, THOMAS J., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- KIRK, DORIS J., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,170 (4-17-64).
- KNIES, EARL A., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- KOUNAS, DON A., Special Summer Fellow in History, two months from June 16, 1964, \$375 (4-24-64).
- KRASKA, JOHN R., National Science Foundation Trainee I in Chemical Engineering, one year from September 1, 1964, \$2,400 (4-15-64).
- KRUENBERG, CLAIRE E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$3,600 (4-17-64).
- KUENZI, NORBERT J., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, \$1,953.75, supersedes; and National Science Foundation Institute Summer Teaching Fellow in Mathematics, three months from June 16, 1964, \$380 (5-18-64).
- LACEY, JAMES E., National Science Foundation Cooperative Fellow II in Geology, one year from September 1, 1964, \$2,600 (5-11-64).
- LONDON, DALE E., Summer Fellow in History, two months from June 16, 1964, \$450 (4-14-64).
- LARSON, RICHARD A., National Science Foundation Cooperative Fellow I in Chemistry, one year from June 16, 1964, \$2,900 (5-11-64).
- LEMAY, HAROLD E., JR., National Science Foundation Summer Fellow in Chemistry, June 16-August 11, 1964, \$680 (5-7-64).
- LOOS, JAMES S., National Science Foundation Cooperative Fellow II in Physics, one year from September 1, 1964, \$3,100 (5-11-64).
- LUCAS, PAUL A., Special Summer Fellow in Physics, two months from June 16, 1964, \$375 (4-24-64).
- LYNCH, RICHARD W., National Science Foundation Cooperative Fellow II in Chemical Engineering, one year from June 16, 1964, \$3,100 (5-11-64).
- MACLEOD, ROBERT M., United States Public Health Fellow (Trainee) in Biophysics, one year from June 16, 1964, \$2,666.04 (5-19-64).

- MADISON, KENNETH G., Summer Fellow in History, two months from June 16, 1964, \$450 (4-14-64).
- MAHRT, JEROME L., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 16, 1964, \$4,750 (5-4-64).
- MAIER, ERNEST L., Summer Fellow in Marketing, two months from June 16, 1964, \$450 (4-16-64).
- MALL, JAMES P., Summer Fellow in French, two months from June 16, 1964, \$450 (4-14-64).
- MANN, LINDSAY A., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- MARCO, GARY L., Summer Fellow in Education, two months from June 16, 1964, \$450 (4-14-64).
- MARINO, ROBERTO S., Fellow in Mathematics, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (4-20-64).
- MARIS, RONALD, Summer Fellow in Sociology, two months from June 16, 1964, \$450 (4-14-64).
- MARISIC, ELLIN R., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- MARKOS, DONALD W., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- MARLIN, MARJORIE J. M., National Science Foundation Cooperative Fellow III in Psychology, one year from September 1, 1964, \$2,800 (5-11-64).
- MARTIN, LAWRENCE L., Edward Orton Foundation Fellow in Ceramic Engineering, nine months from September 16, 1964, \$1,600 (5-1-64).
- MCGEARY, DAVID F. R., Summer Fellow in Geology, two months from June 16, 1964, \$450 (4-14-64).
- MCKINNON, DANA G., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- MEREDITH, CONNIE G. W., National Science Foundation Cooperative Fellow II in Psychology, one year from June 16, 1964, \$4,100 (5-11-64).
- MEREDITH, DALE D., National Science Foundation Cooperative Fellow II in Civil Engineering, one year from September 1, 1964, \$2,600 (5-11-64).
- MIDJAAS, CARL L., Summer Fellow in Education, two months from June 16, 1964, \$450 (4-14-64).
- MILNER, BILLY E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (5-6-64).
- MINING, LOIS E., National Science Foundation Summer Fellow in Mathematics, June 16-September 8, 1964, \$1,020 (5-7-64).
- MITCHELL, WILLIAM T., National Science Foundation Cooperative Fellow III in Chemical Engineering, one year from September 1, 1964, \$4,300 (5-11-64).
- MONTAGUE, JOHN S., Summer Fellow in Mathematics, two months from June 16, 1964, \$450 (4-14-64).
- NANZETTA, PHILIP N., National Science Foundation Summer Fellow in Mathematics, June 16-September 8, 1964, \$1,020 (5-7-64).
- NIBLACK, JOHN F., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- NORTH CUTT, RICHARD G., National Science Foundation Summer Fellow in Zoology, June 16-September 8, 1964, \$1,020 (5-7-64).
- NUNNALLY, NELSON R., National Science Foundation Summer Fellow in Geography, June 16-August 11, 1964, \$680 (5-7-64).
- ODELL, S. JACK, Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-14-64).
- O'NEILL, WILLIAM P., National Science Foundation Cooperative Fellow III in Chemistry, one year from September 1, 1964, \$4,800 (5-11-64).
- PACE, NORMAN R., United States Public Health Service Fellow (Trainee) in Microbiology, June 16-August 31, 1964, \$587.50 (5-21-64).
- PALIOKAS, AUSTE M., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-4-64).
- PARSONS, MICHAEL J., Summer Fellow in Education, two months from June 16, 1964, \$450 (4-14-64).
- PAULSON, HOLLACE E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,170 (4-17-64).

- PÉREZ-ALBUERNE, EVELIO A., Consolidation Coal Company Summer Fellow in Chemical Engineering, two months from June 16, 1964, \$500 (5-19-64).
- PETERSEN, HAROLD, JR., Chemical Industries Council Summer Fellow in Chemistry, two months from June 16, 1964, \$500 (5-11-64).
- PETERSON, LANCE G., United States Public Health Service Fellow (Trainee) in Entomology, two months from July 1, 1964, \$480 (5-4-64).
- PHELPS, CATHERINE P., Summer Fellow in Business Education, two months from June 16, 1964, \$450 (5-19-64).
- PIEPMEIER, EDWARD H., Procter and Gamble Fellow in Chemistry, nine months from September 16, 1964, \$2,100 (4-22-64).
- PONTIUS, PAUL E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$3,600 (4-17-64).
- PORTER, AGNES R., Summer Fellow in French, two months from June 16, 1964, \$450 (4-14-64).
- PRITNER, CALVIN L., Summer Fellow in Speech, two months from June 16, 1964, \$450 (4-14-64).
- PUZEY, GEORGE A., Wright Teaching Fellow in Agricultural Engineering, September 1, 1964-June 15, 1965, \$1,800; and two months from June 16, 1965, \$450 (5-1-64).
- RANDALL, WILLIAM J., Monsanto Summer Fellow in Chemistry, two months from June 16, 1964, \$400 (4-21-64).
- RAUCH, GARY C., National Science Foundation Cooperative Fellow I in Metallurgical Engineering, nine months from September 16, 1964, \$1,800 (5-11-64).
- REDENBO, JAMES M., United States Public Health Fellow (Trainee) in Biophysics, three months from June 16, 1964, \$666.51 (5-19-64).
- REINKING, ROBERT L., Summer Fellow in Geology, two months from June 16, 1964, \$450 (4-14-64).
- RIPKA, WILLIAM C., Esso Research and Engineering Fellow in Chemistry, nine months from September 16, 1964, \$2,100 (4-22-64).
- ROTH, MICHAEL, Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-14-64).
- RUBIN, DAVID L., Special Summer Fellow in French, two months from June 16, 1964, \$375 (4-24-64).
- RUPLEY, LAWRENCE A., Summer Fellow in Economics, two months from June 16, 1964, \$450 (4-14-64).
- RUTH, ROBIN, United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- SAIN, MICHAEL K., National Science Foundation Cooperative Fellow III in Electrical Engineering, one year from September 1, 1964, \$3,300 (5-11-64).
- SCHOURICH, VENICE A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$3,600 (4-17-64).
- SCHWARTZ, HARVEY, Summer Fellow in Economics, two months from June 16, 1964, \$450 (4-14-64).
- SEATON, WILLIAM D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- SHAPIRO, THOMAS M., Part-time Medical Student Research Fellow in Physiology, Winter and Spring Quarters of the 1963-64 academic year, \$400 (1-16-64).
- SHELTON, KEITH R., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-4-64); and National Science Foundation Cooperative Fellow II in Chemistry, one year from September 1, 1964, \$2,600 (5-11-64).
- SHIELDS, ELLEN F., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- SHUCARD, STEPHEN C., Summer Fellow in Classics, two months from June 16, 1964, \$450 (4-14-64).
- SILBERSTEIN, ILAN, Teaching Fellow in Mechanical Engineering, nine months from September 16, 1964, \$1,800 (4-1-64).
- SLATER, JOHN M., Fellow in Agricultural Economics, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500 (5-11-64).
- SLOAN, WILLIAM N., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- SMITH, DAVID Q., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).

- SMITH, FRANCIS W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,310 (4-17-64).
- SMITH, GERALD W., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, \$2,900 (4-29-64).
- SMITH, JAMES K., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (4-17-64).
- SMITH, JOHN E., JR., National Science Foundation Cooperative Fellow III in Physics, one year from September 1, 1964, \$2,800 (5-11-64).
- SMITH, STEVEN R., Special Summer Fellow in Spanish, two months from June 16, 1964, \$375 (4-24-64).
- SMITH, THEODORE F., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1964, \$2,200 (5-1-64).
- SOJA, DOROTHY M., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$467 (5-4-64).
- SORENSEN, A. DON, Special Summer Fellow in Political Science, two months from June 16, 1964, \$500 (4-23-64).
- SOWMAN, JAMES P., Edward Orton Foundation Fellow in Ceramic Engineering, nine months from September 16, 1964, \$1,600 (5-1-64).
- SPRUELL, RICHARD O., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,740 (4-17-64).
- STANTON, RICHARD H., Fellow in Physics, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$450 (4-1-64).
- STENSON, HERBERT H., Summer Fellow in Psychology, two months from June 16, 1964, \$450 (4-14-64).
- STEVENS, KARL K., National Science Foundation Summer Fellow in Theoretical and Applied Mechanics, June 16-September 8, 1964, \$1,020 (5-7-64).
- STONE, ALEXANDER P., National Science Foundation Summer Fellow in Mathematics, June 16-August 11, 1964, \$680 (5-7-64).
- STROM, ULRICH, Special Summer Fellow in Physics, two months from June 16, 1964, \$375 (4-24-64).
- STURGUL, JOHN R., National Science Foundation Trainee II in Mining Engineering, one year from September 1, 1964, \$2,600, supersedes (4-24-64).
- SULLIVAN, CONSTANCE A., Summer Fellow in Spanish, two months from June 16, 1964, \$450 (4-14-64).
- SWAIN, JOAN, Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-14-64).
- SYMONS, JOHN G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,310 (4-17-64).
- SZURSZEWSKI, JOSEPH H., National Science Foundation Summer Fellow in Physiology, June 16-September 8, 1964, \$1,020 (5-7-64).
- TAYLOR, BERT A., National Science Foundation Cooperative Fellow III in Mathematics, one year from September 1, 1964, \$3,300 (5-11-64).
- THODEY, ALAN R., Wright Fellow in Agricultural Economics, nine months from September 16, 1964, \$2,200; and two months from June 16, 1965, \$500, supersedes (5-11-64).
- TIENSON, JOHN, Summer Fellow in Philosophy, two months from June 16, 1964, \$450 (4-14-64).
- TODESCHINI, CLAUDIO E., Summer Fellow in Theoretical and Applied Mechanics, two months from June 16, 1964, \$450 (4-14-64).
- TOSCAN, RICHARD E., Special Summer Fellow in English, two months from June 16, 1964, \$375 (4-24-64).
- TREESE, GERTRUDE, Teaching Fellow in French, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (5-1-64).
- TRUITT, CATHERINE C., Summer Fellow in Mathematics, two months from June 16, 1964, \$450 (4-14-64).
- TUEDIO, JAMES, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- UNLAND, MARK L., National Science Foundation Summer Fellow in Chemistry, June 16-September 8, 1964, \$1,020 (5-7-64).
- VANARENDONK, ARTHUR M., United States Public Health Service Fellow (Trainee), in Chemistry, two months from June 16, 1964, \$467 (5-5-64).
- VANDENBERG, DONALD, Summer Fellow in Education, two months from June 16, 1964, \$450 (4-14-64).

- VANDER HART, DAVID L., Summer Fellow in Chemistry, two months from June 16, 1964, \$450 (4-14-64); and Fellow in Chemistry, nine months from September 16, 1964, \$2,000; and two months from June 16, 1965, \$500, supersedes (4-29-64).
- VEACH, MARY L., Summer Fellow in English, two months from June 16, 1964, \$450 (4-14-64).
- VELDKAMP, ARNOLD H., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- VOILS, DON L., National Science Foundation Institute Teaching Fellow in Mathematics, one year from June 16, 1964, \$2,896 (5-11-64).
- VOLD, ROBERT L., Summer Fellow in Chemistry, two months from June 16, 1964, \$450 (4-14-64).
- WALKER, CLINTON B., John W. Dallenbach Fellow in Psychology, nine months from September 16, 1964, \$2,500 (5-1-64).
- WALKER, LEIGH E., National Science Foundation Cooperative Fellow II in Chemistry, one year from June 16, 1964, \$3,100 (5-11-64).
- WEDEKIND, GILBERT L., National Science Foundation Summer Fellow in Mechanical Engineering, June 16-September 8, 1964, \$1,020 (5-7-64).
- WEECH, TERRY L., Lois Wells Irwin Fellow in Library Science, nine months from September 16, 1964, \$500 (5-1-64).
- WELLER, PATRICIA F., United States Public Health Summer Fellow (Trainee) in Chemistry, two months from June 16, 1964, \$466.66 (5-19-64).
- WELLS, WILLIAM L., Summer Fellow in Chemistry, two months from June 16, 1964, \$450 (4-14-64).
- WHITECOTTON, JOSEPH W., Summer Fellow in Anthropology, two months from June 16, 1964, \$450 (4-14-64).
- WHORTON, RICHARD C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,880 (4-17-64).
- WILBER, GORDON A., Jones and Laughlin Steel Corporation Fellow in Metallurgy, nine months from September 16, 1964, \$2,400 (5-1-64).
- WILLIAMSON, BRUCE M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$5,310 (4-17-64).
- WILLMORE, FLOYD E., National Science Foundation Institute Summer Teaching Fellow in Mathematics, three months from June 16, 1964, \$496 (5-11-64).
- WILMETH, DON B., Summer Fellow in Speech, two months from June 16, 1964, \$450 (4-14-64).
- WILSON, DAVID J., Summer Fellow in Geriatrics, two months from June 16, 1964, \$450 (4-14-64).
- WINEGARDNER, DAVID K., Summer Fellow in Chemical Engineering, two months from June 16, 1964, \$450 (4-14-64).
- WISE, SHERWOOD W., JR., Summer Fellow in Geology, two months from June 16, 1964, \$450 (4-14-64).
- WOERNLE, GUNTER, Fellow in Law, nine months from September 16, 1964, \$1,800; and two months from June 16, 1965, \$450 (5-11-64).
- WOOD, FRANK O., International Business Machines Fellow in Economics, nine months from September 16, 1964, \$1,800 (4-23-64).
- WREATH, PATRICK, Summer Fellow in Russian, two months from June 16, 1964, \$450 (4-14-64).
- WRIGHT, CHARLES N., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, \$4,170 (4-17-64).
- YNTEMA, MARY K., National Science Foundation Cooperative Fellow III in Mathematics, one year from September 1, 1964, \$2,800 (5-11-64).
- ZANZUCCHI, PETER J., Summer Fellow in Chemistry, two months from June 16, 1964, \$450 (4-14-64).

#### RESIGNATIONS, DECLINATIONS, AND TERMINATIONS

- ABRAHAM, CLAUDE K., Assistant Professor of French—resignation effective September 1, 1964.
- ADAMS, JAMES M., Assistant in the Institute of Aviation—resignation effective May 1, 1964.
- ATLAS, AMOS, Research Associate in Theoretical and Applied Mechanics—resignation effective May 16, 1964.
- AUST, RICHARD B., National Science Foundation Graduate Fellow in Chemical Engineering—resignation effective June 1, 1964.

- BARRY, ALAN J., Assistant Professor of Physical Education for Men — resignation effective September 1, 1964.
- BENNETT, WILMA, Bibliographer in the Library, with rank of Instructor — resignation effective June 1, 1964.
- BIRCH, JOHN W., Assistant Professor of Economics — resignation effective September 1, 1964.
- BOND, JAMES A., Assistant Professor of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964 — resignation effective June 19, 1964.
- BROWN, EUGENE F., Fellow in Mechanical Engineering — resignation effective June 16, 1964.
- CHARLES, ALLAN G., Clinical Assistant Professor of Obstetrics and Gynecology, College of Medicine — resignation effective May 15, 1964.
- COHEN, JOZEF B., Associate Professor of Psychology, Summer Session of 1964 — resignation effective June 15, 1964.
- DAVENPORT, RICHARD, Fellow in Zoology — declination effective June 16, 1964.
- DAVISON, MELVIN T., Associate Professor of Civil Engineering, Summer Session of 1964 — resignation effective June 15, 1964.
- DILL, ALLEN F., Associate Professor of Civil Engineering, College of Engineering and Engineering Experiment Station — resignation effective September 1, 1964.
- DIXON, ROBERT D., Instructor in Mathematics — resignation effective September 1, 1964.
- DROWER, SARA R., Instructor in the Division of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964 — declination effective June 19, 1964.
- EDSALL, JAMES V., Assistant to the Director of the Physical Plant (Planning Coordinator) — resignation effective June 1, 1964.
- ENATA, ELOISE C., Instructor in English, Summer Session of 1964 — resignation effective June 15, 1964.
- FOSTER, DONALD L., Cataloger in the Library, with rank of Instructor — resignation effective July 1, 1964.
- GAMBLE, WILLIAM L., Assistant Professor of Civil Engineering, Summer Session of 1964 — resignation effective June 15, 1964.
- GARDNER, GENE M., Katherine L. Sharp Fellow in Library Science — resignation effective September 15, 1964.
- GLENN, NORVAL D., Assistant Professor of Sociology — resignation effective September 1, 1964.
- GODU, JACQUES ANDRE JEAN-CLAUDE, United States Public Health Service Fellow (Trainee) in Veterinary Medical Science — resignation effective May 1, 1964.
- GOLEMBIEWSKI, ROBERT T., Assistant Professor of Management — resignation effective September 1, 1964.
- GOTTLIEB, DANIEL H., Instructor in Mathematics — resignation effective September 1, 1964.
- GRANIRER, EDMOND E., Instructor in Mathematics — resignation effective September 1, 1964.
- GRIMM, CLYDE L., Assistant Professor of English — resignation effective September 1, 1964.
- GULDNER, RUTH C., Acquisition Assistant in the Library — resignation effective September 1, 1964.
- GUTMAN, DAVID, Fellow in Chemistry — resignation effective June 16, 1964.
- HALE, KENNETH L., Assistant Professor of Anthropology and Linguistics — resignation effective September 1, 1964.
- HEADINGS, PHILIP R., Assistant Professor of English — resignation effective September 1, 1964.
- HINELV, JAN L., Instructor in English, Summer Session of 1964 — resignation effective June 15, 1964.
- HOLLINGSWORTH, J. ROGERS, Assistant Professor of History — resignation effective September 1, 1964.
- HUITEMA, ROY, Professor of Chemistry (Physical Sciences), Chicago Undergraduate Division, Summer Session of 1964 — resignation effective June 19, 1964.
- HULSIZER, ROBERT I., JR., Professor of Physics — resignation effective September 1, 1964.
- HUNCKE, MRS. SHEILA C., Instructor in Medical Social Work, College of Medicine — resignation effective June 16, 1964.

- INMAN, FRANKLIN P., JR., Research Associate in Microbiology—resignation effective June 1, 1964.
- JACKSON, RICHARD L., United States Public Health Service Fellow (Trainee) in Microbiology—resignation effective June 1, 1964.
- KASKE, ROBERT E., Professor of English—resignation effective September 1, 1964.
- KAUFFMAN, WILLIS C., Associate Professor of Housing and Home Furnishings, Department of Home Economics—resignation effective September 1, 1964.
- KILBY, VIRGINIA A. A., Fellow in Zoology—resignation effective June 16, 1964.
- KLOT, STEVEN E., Fellow in Political Science—resignation effective September 16, 1964.
- KONZ, STEPHAN, Instructor in Mechanical Engineering—resignation effective September 1, 1964.
- KORNACKER, MILDRED, Instructor in Sociology (Social Sciences), Chicago Undergraduate Division, Summer Session of 1964—resignation effective June 19, 1964.
- KUNZE, BARBARA A., Fellow in Mathematics—resignation effective June 16, 1964.
- LAGOUDIS, BASIL E., Assistant in English (Humanities), Chicago Undergraduate Division, Summer Session of 1964—resignation effective June 19, 1964.
- LINDLEY, DANIEL A., Instructor in Secondary and Continuing Education, University High School—resignation effective September 1, 1964.
- LINDSEY, MRS. SUSAN B., Instructor in Library Science and in the International Cooperative Program—resignation effective June 23, 1964.
- LONG, CHESTER C., Assistant Professor of Speech and Theatre—resignation effective September 1, 1964.
- LORD, WILLIAM J., JR., Associate Professor of Business Administration—resignation effective September 1, 1964.
- LUSTIG, JEREMY, Teaching Fellow in Music—resignation effective September 16, 1964.
- MASON, RALPH E., Associate Professor of Business Education—resignation effective September 1, 1964.
- MATSUMOTO, HIDEO, Research Associate in Pathology, College of Medicine—resignation effective May 21, 1964.
- MELE, JOHN J., Assistant in Electrical Engineering, Summer Session of 1964—declination effective June 15, 1964.
- MOK, CHI-HUNG, Research Associate in Metallurgical Engineering—declination effective September 1, 1964.
- MOORE, CHARLES A., Assistant in the Institute of Aviation—resignation effective May 1, 1964.
- MUNSINGER, HARRY, Fellow in Psychology—declination effective June 16, 1964.
- NADEAU, RAYMOND E., Professor of Speech—resignation effective September 1, 1964.
- OLSON, LAWRENCE W., Assistant Professor of Speech and Theatre, Summer Session of 1964—resignation effective June 15, 1964.
- ORLAND, GEORGE H., Instructor in Mathematics, Summer Session of 1964—declination effective June 15, 1964.
- OSBORN, HOWARD, Associate Professor of Mathematics, Summer Session of 1964—declination effective June 15, 1964.
- PABARCUS, ALGIS, Assistant Professor of Civil Engineering, Chicago Undergraduate Division, Summer Session of 1964—resignation effective June 19, 1964.
- PARROTT, DELORES L., Instructor and 4-H Club Specialist, Cooperative Extension Service in Agriculture and Home Economics—resignation effective June 1, 1964.
- PEARSON, ROBERT E., Pharmacy Resident, College of Pharmacy—resignation effective June 1, 1964.
- PERLMUTTER, DANIEL D., Assistant Professor of Chemistry and Chemical Engineering, Summer Session of 1964—resignation effective June 15, 1964.
- PHILLIPS, WILLIAM D., Assistant Professor in the Department of Special Education and in the Institute for Research on Exceptional Children—resignation effective September 1, 1964.
- PLACEK, MRS. CYNTHIA B., Assistant Editor in the College of Veterinary Medicine with rank of Assistant—resignation effective May 23, 1964.
- PRANINSKAS, MRS. JEAN, Assistant Professor of English—resignation effective September 1, 1964.



- PSCHORR, HELENE, Registered Pharmacist, College of Pharmacy—resignation effective June 9, 1964.
- PULLEN, LINDA G., Biology Library Assistant in the Library—resignation effective September 1, 1964.
- ROGERS, CHARLES A., Fellow in Physics—resignation effective June 16, 1964.
- RUNKEL, PHILIP J., Professor of Educational Psychology, Bureau of Educational Research—resignation effective September 1, 1964.
- SHIDLE, JOSEPH J., Assistant in Electrical Engineering, Summer Session of 1964—resignation effective June 15, 1964.
- SIDEBOTTOM, OMAR M., Professor of Theoretical and Applied Mechanics, Summer Session of 1964—resignation effective June 15, 1964.
- STEIN, ALLAN R., Fellow in Chemistry—resignation effective May 9, 1964.
- STILLINGER, JACK C., Associate Professor of English, Summer Session of 1964—resignation effective June 15, 1964.
- SUTCLIFFE, SAMUEL, Assistant Professor of Civil Engineering—resignation effective September 1, 1964.
- TAGGER, MICHEL, Instructor in Endodontics and in Periodontics, Department of Applied Materia Medica and Therapeutics, College of Dentistry—resignation effective May 11, 1964.
- TRAINOR, CLARAMAY, Instructor in Art, Summer Session of 1964—resignation effective June 15, 1964.
- TRESCOTT, PETER C., Fellow in Geology—resignation effective June 16, 1964.
- TROUGHTON, TERENCE E., Field Biologist in the Natural History Survey and in the Graduate College—termination effective June 1, 1964.
- WHEATLEY, JAMES H., Assistant Professor of English—resignation effective September 1, 1964.
- WILLIAMS, VERNITA, Assistant Chief Pharmacist, College of Pharmacy—resignation effective July 3, 1964.
- WILSON, GEORGE J., Instructor in the Institute of Aviation—resignation effective June 1, 1964.
- WINGARD, MRS. MARILYN, Assistant in Veterinary Pathology and Hygiene—resignation effective June 16, 1964.
- WOODARD, MARGARETHA, Visiting Lecturer in the Division of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964—declination effective June 19, 1964.
- WRIGHT, RAMIL C., Fellow in Geology—resignation effective June 16, 1964.
- WYATT, MRS. MARIE G., Assistant in Education (University High School)—resignation effective June 16, 1964.
- WYMAN, MARVIN E., Professor of Nuclear Engineering, Summer Session of 1964—resignation effective June 15, 1964.
- YOUNG, LORNA B., Research Assistant in Chemistry, resignation effective July 1, 1964.

#### LEAVES OF ABSENCE

- BATEMAN, PAUL T., Professor of Mathematics and Associate Head of the Department—leave of absence, without pay, for the academic year 1964-65, so that he may accept a visiting professorship at the Graduate Center of the City University of New York.
- BURNETT, R. WILL, Professor of Secondary and Continuing Education, and Chairman of the Department—leave of absence, without pay, for the academic year 1964-65, so that he may accept an assignment on an Agency for International Development educational project in India.
- CURRIE, LEONARD J., Professor of Architecture and Dean of the College of Architecture and Art, Chicago Undergraduate Division—leave of absence, without pay, from August 13 through August 30, 1964, so that he may accept an assignment on a mission to Central America for the Agency for International Development.
- DAVISSON, MELVIN T., Associate Professor of Civil Engineering, College of Engineering—leave of absence, without pay, for the first semester of the academic year 1964-65, so that he may accept a Visiting Professorship at the University of California at Berkeley.

- HOLSHOUSER, DON F., Associate Professor of Electrical Engineering, College of Engineering and Engineering Experiment Station—leave of absence, without pay, for three months from March 15, 1965, in addition to his sabbatical leave of absence for six months from September 15, 1964, so that he may spend the full academic year at the National Technical University of Athens.
- JENSEN, ALDON H., Associate Professor of Animal Nutrition, Department of Animal Science, College of Agriculture and Agricultural Experiment Station—leave of absence, without pay, for one year from July 1, 1964, so that he may accept a Visiting Professorship in the Department of Animal Husbandry at the Kansas State University, Manhattan, Kansas.
- MCCULLOH, LEON R., Assistant Professor of Mathematics—leave of absence, without pay, for the academic year 1964-65, so that he may engage in study and research at Indiana University.
- NEAL, JAMES P., Associate Professor of Electrical Engineering, College of Engineering—leave of absence, without pay, for the academic year 1964-65, so that he may accept the National Research Council-National Bureau of Standards Postdoctoral Research Associateship for study and research at the National Bureau of Standards.
- NISHIJIMA, KAZUHIKO, Professor of Physics, College of Engineering—leave of absence, without pay, for the second semester of the academic year 1964-65, so that he may accept an appointment in the International Center for Theoretical Physics at Trieste, Italy.
- PLANTY, EARL, Professor of Management—leave of absence, without pay, for two years from September 1, 1964, so that he may serve as Dean of the College of Business Administration in Haile Selassie I University at Addis Ababa, Ethiopia.
- ROBINS, HARRY, Associate Professor of English—leave of absence, without pay, for the academic year 1964-65, so that he may accept an appointment as Visiting Professor of English at the University of Arizona at Tucson.
- SAYRE, ROBERT F., Assistant Professor of English—leave of absence, without pay, for the academic year 1964-65, so that he may accept a research fellowship in American literature at the Anglo-American Institute in Lund, Sweden.
- SCOLES, EUGENE F., Professor of Law—leave of absence, without pay, for the first semester of the academic year 1964-65, in addition to his sabbatical leave for the second semester.
- SHIMKIN, DEMITRI B., Professor of Anthropology and of Geography, and Senior Staff Member in the Center for Zoonoses Research—leave of absence, without pay, for the academic year 1964-65, so that he may accept an appointment as Visiting Professor of Anthropology at Harvard University.
- YAMAMOTO, MRS. PATRICIA, Illini Union Browsing Room Librarian, with rank of Assistant, in the Library—leave of absence, without pay, from June 15 through August 31, 1964.

#### CANCELLATION OF LEAVE OF ABSENCE

- MARK, WERNER, Assistant Professor of German—leave of absence, without pay, previously granted him for one year from September 1, 1964, has been cancelled.

#### FUTURE BOARD MEETINGS

President Clement reminded the Trustees that the next meeting of the Board will be held in Urbana on July 22, 1964, according to a schedule to be determined by the President and Secretary of the Board.

Consideration was also given to a meeting in August. No action was taken but it was the consensus that August 19, the regular date, be tentatively considered for a meeting of the Board or of its Executive Committee if the amount and nature of the business requiring Board action at that time justifies a meeting.

Mr. Williamson suggested that consideration be given to holding another meeting in the near future in the Dixon Springs area.

#### RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session was being

ordered for consideration of property acquisitions and that this session would be held after luncheon recess and would be followed by meetings of Board Committees.

On motion of Mr. Swain, the Board recessed.

During the luncheon recess, Mr. Douglas R. Mills, Director of Intercollegiate Athletics, reported informally on the new golf course, made possible by a gift of land from the late Mr. Hartwell C. Howard of Champaign to the Athletic Association of the University of Illinois, which is now under construction adjoining the present University of Illinois Golf Course at Savoy, Illinois. Mr. Charles D. Wagstaff, landscape architect and designer of both courses, was present and was introduced. Director Mills distributed a memorandum of his presentation and a copy was filed with the Secretary.

When the Board reconvened in executive session, the same members, officers of the Board, and University officers were present as recorded at the beginning of these minutes, except Mr. Ray Page who asked to be excused.

The Board considered the following matters of business presented by the President of the University and by the Director of the Physical Plant.

**PURCHASE OF PROPERTY AT 509 EAST DANIEL STREET,  
CHAMPAIGN**

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Illinois Building Authority be requested to purchase for the University the property at 509 East Daniel Street, Champaign, at a price of \$47,500 pursuant to the Illinois Building Authority Act.

The property is a lot approximately 50 feet by 175.25 feet (8,683 square feet), improved with a two and one-half story and basement frame rooming house. The land area will be used for parking. Possession will be delivered not later than August 10, 1964, on all but the east 10 feet of the south 57 feet; and the latter area will be delivered on or before August 10, 1969.

The price is within University appraisals. The Committee on Buildings and Grounds has also recommended the purchase.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner, Mr. Page.

**PURCHASE OF PROPERTY AT 912 SOUTH FIFTH STREET,  
CHAMPAIGN**

(2) The University has an opportunity to purchase the property at 912 South Fifth Street, Champaign.

The property is a corner lot 59.24 feet on Fifth Street by 66.3 feet on Chalmers Street (3,928 square feet) and is improved with a two and one-half story and basement frame dwelling. The land area is not now required for campus expansion but is a strategic corner location where the University will later need to provide parking for single graduate students. In the meantime, the house can be used either as a staff housing unit or for temporary offices.

The owner is willing to sell at a price of \$28,500, the appraised value.

It is recommended that the University request the University of Illinois Foundation to purchase the property and lease it back to the University at a rate to be determined.

I concur.

On motion of Mr. Williamson, this recommendation was approved

by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner, Mr. Page.

**ACQUISITION OF PROPERTY AT 1107 WEST SPRINGFIELD AVENUE, URBANA**

(3) University representatives have been negotiating for the purchase of the property at 1107 West Springfield Avenue, Urbana, a lot 42.5 feet by 132 feet (5,610 square feet) with a two-story and basement stucco house used as a residence by the owner and for student rooms. The land is needed as part of the site for construction of the next unit of the Coordinated Science Laboratory.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$23,000, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal. The Director of the Physical Plant and the Vice-President and Comptroller therefore recommend that the Board of Trustees authorize the institution of condemnation proceedings for acquisition of the property.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property at  
1107 West Springfield Avenue, Urbana**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot three (3) except the West Twenty-three Feet (23') thereof in Block Five (5) in the Urbana Railroad Company's Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for construction of the next unit of the Coordinated Science Laboratory, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of

Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefore, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Swain the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner, Mr. Page.

On motion of Mrs. Watkins the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*

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