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Prof. H. B. Ward  
446 New Agriculture

# War Program

of the

## UNIVERSITY OF ILLINOIS



PUBLISHED BY UNIVERSITY OF ILLINOIS  
URBANA

### UNIVERSITY OF ILLINOIS BULLETIN

VOL. XXXIX

MAY 12, 1942

No. 38

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HENRY B. WARD

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# University

## URBANA DEPARTMENTS

### Summer Quarter 1942

Offering freshman courses in all the undergraduate colleges, including required courses in physical education and military science. The quarter is divided into two six-week sessions. Most undergraduate courses will extend through both sessions, though students may enter for either six-week session.

June 8, Mon.....Registration.  
June 9, Tues.....Instruction begins.  
July 18, Sat.....First six-week session ends.  
July 20, Mon.....Second six-week session begins.  
Aug. 29, Sat.....Summer quarter ends.

### First Semester 1942-43

Aug. 31, Mon.-Sept. 5, Sat.....Entrance examinations.  
Sept. 10, Thurs.-Sept. 12, Sat...Freshman Week program.  
Sept. 11, Fri.-Sept. 12, Sat.....Registration of graduate students.  
Sept. 12, Sat.....Registration of freshmen.  
Sept. 14, Mon.-Sept. 15, Tues...Registration of upperclassmen.  
Sept. 16, Wed., 8:00 A.M.....Instruction begins.  
Nov. 25, Wed., 12:00 M.....Thanksgiving recess begins.  
Nov. 30, Mon., 1:00 P.M.....Thanksgiving recess ends.  
Dec. 19, Sat., 12:00 M.....Holiday recess begins.  
Jan. 4, Mon., 8:00 A.M.....Holiday recess ends.  
Jan. 15, Fri.-Jan. 23, Sat.....Semester examinations.  
Jan. 27, Wed.-Jan. 30, Sat.....Entrance examinations.

### Second Semester 1942-43

Jan. 28, Thurs., Jan. 29, Fri.,  
Jan. 30, Sat.....Registration of graduate students.  
Jan. 29, Fri.-Jan. 30, Sat.....Registration of undergraduates.  
Feb. 1, Mon.....Instruction begins.  
May 31, Mon.....Seventy-second Annual Commencement.

### Summer Quarter 1943

June 7, Mon.....Summer quarter begins.  
July 17, Sat.....First summer term ends.  
July 19, Mon.....Second summer term begins.  
Aug. 28, Sat.....Summer quarter ends.

# Calendar

## CHICAGO DEPARTMENTS

### Summer Quarter 1942

June 13, Sat.-June 15, Mon.....Registration of graduate students.  
June 15, Mon.-June 16, Tues....Registration for first half of summer.  
Aug. 3, Mon.-Aug. 4, Tues.....Registration for second half of summer.  
Sept. 26, Sat.....Summer courses end.

### First Quarter 1942

Aug. 31, Mon.-Sept. 5, Sat.....Entrance examinations.  
Sept. 28, Mon.....Registration of undergraduates.  
Sept. 30, Wed.-Oct. 1, Thurs....Registration of graduate students.  
Nov. 26, Thurs. (one day only)..Thanksgiving recess.  
Dec. 19, Sat.....Fall quarter ends.

### 1943

Jan. 4, Mon.....Winter quarter begins.  
Mar. 27, Sat.....Winter quarter ends.  
Mar. 29, Mon.....Spring quarter begins.  
June 19, Sat.....Spring quarter ends.  
June 21, Mon.....Summer quarter begins.  
Sept. 11, Sat.....Summer quarter ends.

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Note: The general offices of the University are open on weekdays from 8 a.m. to 12 m.  
and from 1 to 5 p.m.; Saturdays, 8 a.m. to 12 m.

# *War Program*

## **OF THE UNIVERSITY OF ILLINOIS**

The University of Illinois has pledged itself to render every possible assistance in the winning of the war. The skill and knowledge of its highly competent staff, the resources of its extensive and well-equipped plant, and its channels of communication with citizens in every walk of life are at the disposal of the State and Federal Governments for whatever services it can furnish most effectively. But while intent on mobilizing itself for the war program, the University recognizes also that it must not lose sight of its obligation to provide the State and the Nation with a steady stream of educated men and women. In meeting this obligation colleges and universities of every type are vital centers in the Nation. The immediate demand is for the technical expert, but both the immediate and the continuing demand will be for men and women who know the facts and are able to meet the problems of their day with wisdom, strength, and courage.

The University recognizes that for the supreme need of the present its greatest contribution must be in doing to the utmost limits of its capacity what it is best qualified to do—to promote scholarship, advance research, train experts, and educate men and women. It is aware of this responsibility, and it is also aware of a profound obligation to look beyond the perils of war to the perils of peace, for the problems of peace will be no less arduous than those of war. The men and women who will be called to recreate and rebuilt a new democratic order out of the bitter struggle of today need the best mental and physical equipment which can be given them.

### **CENTRAL COORDINATING AGENCY**

A University War Committee, headed by Provost A. J. Harno and composed of the chairmen of important standing committees and certain directors of divisions, has the assignment of studying and coordinating University resources and programs for meeting the

national emergency. A chart showing some of its activities will be found on pages 12 and 13 of this statement. In order to avoid the overlapping and confusion which often arise from the multiplication of agencies, this Committee is working, so far as possible, through existing University organizations; moreover, it has been able to cooperate effectively with State and community defense programs. The main purpose of the Committee is to promote the usefulness of the faculty, the students, and the material resources of the institution to an all-out war program.

### **ACCELERATED PROGRAM**

The Colleges of Medicine, Dentistry, and Pharmacy in Chicago have initiated the quarter system under which they will operate on an all-year basis. This program was adopted to provide an increased supply of physicians, dentists, and pharmacists to meet impending shortages in personnel in these fields. At Urbana the University has added four weeks to its usual summer session, making a twelve-week program which, for the convenience of special classes of students, is divided into two six-week periods. These adjustments make it possible for a student to shorten the usual four-year program for a baccalaureate degree by a year.

### **CURRICULAR ADJUSTMENTS**

Under the University War Committee a special committee was appointed immediately after our entrance into the war to study the course offerings of the University and to appraise them in the light of war needs. This committee called to the attention of students and staff the wealth of training and experience already provided by existing courses, both for those seeking basic instruction before being inducted and for those demanding specialized work or particular types of preparation for military or defense service. The direct relation of a large part of the work of the University to the more pressing needs of the Nation is striking evidence of the strength of the program as a whole.

To meet specific situations arising from the war the following new courses are now being offered for credit:

**Background and Problems of the War.** Prewar background, war problems, and postwar problems.

**Latin American Civilization.** A summary of the chief factors in Latin American civilization, with special reference to the present international situation.

**Military Law and Defense Legislation.** Laws pertaining to induction into military service; constitutional extent of military power; laws of land warfare; courts-martial and courts-martial procedure; government insurance of members of the armed forces; the civil rights of soldiers and sailors under the Civil Relief Act of 1940.

**Quartermaster Corps Organization and Operation.** Organization and administration of the Quartermaster Corps; mess management; procurement and distribution of supplies; industrial mobilization; administration of supply; theater of operation; accountability for property; organization and operation of the Quartermaster depot.

**Wartime Communications and Censorship.** Restrictions on naval and military information; sedition and espionage; government information agencies.

**Pathogenic Bacteriology.** Classification, morphology, cultural requirements and reactions, toxins, diagnostic tests and methods of differentiation. Laboratory methods of the U. S. Army.

**Introduction to Chinese Culture.** Comprehensive survey and introductory analysis of Chinese civilization from the standpoint of cultural sociology and ethnology.

**Economic Problems of the Defense Program.** An investigation of important economic problems connected with the defense program.

**Ultra-High Frequency Techniques.** Theory, characteristics, and operation of klystron, magnetron, and other decimeter-wave generators; antenna arrays; wave propagation; wave guides; radiation from parabolas and horns; impedance matching; modulation; detection and reception of decimeter waves.

**Training Home Economists for Work in Community Programs for the Present Emergency.** Selection and presentation of material

essential for effective educational programs in foods, nutrition, textiles, and clothing.

**Red Cross Home Nursing.** The standard course leading to a Red Cross certificate.

**First Aid (for men).** A complete Red Cross first aid course.

**First Aid (for women).** A complete Red Cross first aid course.

**Nurses' Aide.** Forty-five hours of practice in a hospital, 35 hours of lecture, and 20 hours of first aid.

**Military Psychology.** Applied psychological techniques serviceable to officers in Army situations. Special emphasis placed upon leadership, discipline, morale, efficiency, placement, and personality adjustment.

**Personal Defense Activities.** Tactics of personal defense in hand-to-hand fighting and from attack with special weapons.

**Animal Parasites of Man.** The protozoan and helminth parasites of man, with special emphasis on those living in the digestive tract; methods of observation, diagnosis, and microscopical technique. Primarily designed for men who anticipate service in Sanitary Corps.

**History of War on Land.** The techniques and purposes of land warfare from the Greeks to the present.

**History of War at Sea.** The techniques and purposes of sea warfare from the Greeks to the present.

**First Aid in Emergencies.** (Colleges of Medicine, Dentistry, and Pharmacy). The numerous conditions requiring first aid and the methods of handling these emergencies.

**Insects in Relation to National Defense and Vital War Efforts.** Recitations, lectures, and demonstrations concerning the world's most destructive insects.

**Mathematical Theory of Aerodynamics.** An account of those mathematical theories and procedures which are basic to modern aerodynamics.

**Sociology of War.** Cultural and sociological aspects of the causation of modern war.

Other new courses are contemplated in camouflage, civilian defense, supervision of explosive plants, and in a number of foreign



languages not ordinarily offered by universities. An intensive program of language instruction is created by the need for men qualified to enter special branches of the service.

### **CREDIT ADJUSTMENTS**

A series of regulations have been put into effect for allowing credit to and making graduation adjustments for students who leave the University to enter the armed services or to go (under certain conditions) into war industries. Both undergraduate and professional students may receive credit for one-half of a semester after completion of seven weeks of work and full credit after completion of twelve weeks of work. Seniors who have completed the seventh week of the semester in which they would normally graduate may be recommended for a degree provided their scholastic standing is satisfactory. Graduate students, likewise, may obtain credit for work done in the semester in which they must withdraw for services pertaining to the national defense. These regulations were introduced to mitigate the hardships in loss of work incurred by students who enlist or are called into service in mid-term.

### **ADMISSION WITHOUT A HIGH SCHOOL DIPLOMA**

A senior high school student enrolled in his last semester, and within a month of graduation from an accredited school which closes after the opening date of a University term, may be admitted to the University even though he has not received a diploma of graduation. As a condition to admission under this arrangement the student must submit evidence showing that he would have graduated if he had remained in school until the end of the semester.

### **EXTRACURRICULAR ACTIVITIES**

Extracurricular projects have been organized to supplement the special courses which have been added to the regular program of instruction. Cooperation with the community is effected particularly where community interests touch University interests. Among the activities for which students may register are the following: training by University and local police in duties as watchmen and

guards; traffic control and safety studies; fire fighting; radio operation; Red Cross work; "keep-fit" programs; first aid; use of non-military weapons and firearms; machine gunnery; panic and riot duty; air and highway traffic observation; commercial Spanish.

The Y.M.C.A. in cooperation with the Student Senate has organized a series of fireside forums for the current semester on the general topic "The University Man and the War." The forums are held in fraternities and independent houses and the discussions are usually led by faculty members.

A file of addresses of students and alumni who are serving in the several branches of the service has been prepared, and copies of the *Alumni News* are sent to those on the list. In order that friendly contact may be kept with Illini in all branches of the service, a letter-writing campaign is conducted, and a "President's Fund" is used for the purchase of small gifts.

### **THE R.O.T.C.**

The University of Illinois, in response to its obligation as a land-grant college established under the Morrill Act, has offered military training to its students since its opening in 1868. The R.O.T.C., one of the largest and best units of its kind in the country, was organized in 1916, and since that time has trained thousands of Illini now serving, many of them as officers, with our armed forces. The unit is under the command of Colonel Leonard C. Sparks, F.A., and has a United States Army staff of 86. There are 4200 students enrolled; those in the advanced course, of whom there are now 600, are in line for appointments leading to commissions as Second Lieutenants in the United States Army. Special training is available in the Infantry, the Field Artillery, the Signal Corps, the Cavalry, the Coast Artillery, and the Engineers' Corps. Advanced training in these fields will be offered during the summer term of 1942.

### **ENLISTED RESERVE CORPS PROGRAM**

The University is cooperating with the War and Navy departments in the establishment of Enlisted Reserve Corps plans. All male students enroll in the R.O.T.C. for the basic military training

course, following which they may be recruited for the advanced R.O.T.C. or enter the Army Air Force Enlisted Reserve, other Army reserve services, or the V-5 or V-7 program of the Navy.

The new Army Enlisted Reserve Corps program provides an opportunity for college men to enlist on a deferred basis and to continue their education through graduation, provided they maintain satisfactory scholastic standing. Today's highly mechanized army with its complex organization must have educated men to give it efficient direction; the new Deferred Service Plan has been approved in the belief that continuance of education develops capacities for leadership. Although the unforeseen circumstances of war may require the termination of their deferred status, enlisted students who fulfill the necessary educational qualifications may reasonably expect to complete their education before being called to active military service in either the Army or the Navy.

### **MEDICAL RESERVE CORPS**

Students in the College of Medicine may enlist in either the Medical Administrative Corps Reserve of the United States Army as Second Lieutenants or in the Hospital Volunteer Naval Reserve as Ensigns. Students so enlisted are deferred from active duty until they have completed their work for the degree.

### **NAVAL TRAINING UNIT**

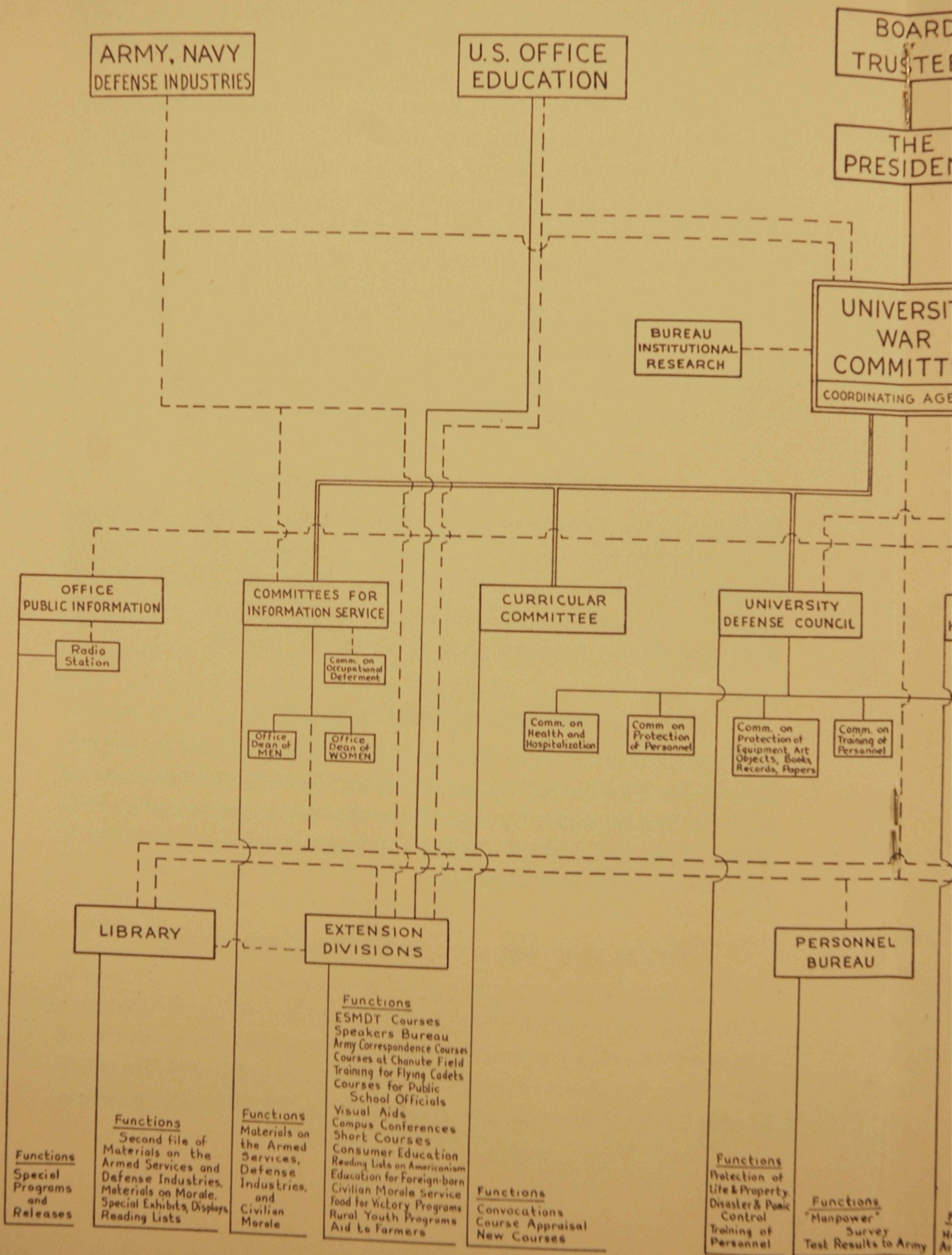
The United States Navy has opened a training school for signalmen at the University. Dormitory space, feeding, and instructional facilities are provided by the University for a maximum of 1,000 men and for the staff of officers and enlisted men who will aid in instruction and administration.

### **CIVILIAN PILOT TRAINING PROGRAM**

A Civilian Pilot Training Program is sponsored by the University of Illinois in cooperation with the Champaign Aviation Company. The ground school course is given by members of the faculty of the University four evenings a week. The students taking flight instruction this semester are all enrolled in the Navy V-5 program.

# ORGANIZATION FOR MEETING THE WAR

URBANA, ILL.



ARMY, NAVY  
DEFENSE INDUSTRIES

U.S. OFFICE  
EDUCATION

BOARD  
TRUSTEES

THE  
PRESIDENT

UNIVERSITY  
WAR  
COMMITTEE  
COORDINATING AGENCY

BUREAU  
INSTITUTIONAL  
RESEARCH

OFFICE  
PUBLIC INFORMATION

Radio  
Station

COMMITTEES FOR  
INFORMATION SERVICE

Comm. on  
Occupational  
Deferment

Office  
Dean of  
MEN

Office  
Dean of  
WOMEN

CURRICULAR  
COMMITTEE

Comm. on  
Health and  
Hospitalization

Comm. on  
Protection  
of Personnel

UNIVERSITY  
DEFENSE COUNCIL

Comm. on  
Protection of  
Equipment, Art  
Objects, Books,  
Records, Papers

Comm. on  
Training of  
Personnel

LIBRARY

Functions  
Special  
Programs  
and  
Releases

Functions  
Second file of  
Materials on the  
Armed Services and  
Defense Industries.  
Materials on Morale.  
Special Exhibits, Displays  
Reading Lists

EXTENSION  
DIVISIONS

Functions  
Materials on  
the Armed  
Services,  
Defense  
Industries,  
and  
Civilian  
Morale

Functions  
ESMDT Courses  
Speakers Bureau  
Army Correspondence Courses  
Courses at Chanut Field  
Training for Flying Cadets  
Courses for Public  
School Officials  
Visual Aids  
Campus Conferences  
Short Courses  
Consumer Education  
Reading Lists on Americanism  
Education for Foreign-born  
Civilian Morale Service  
Food for Victory Programs  
Rural Youth Programs  
Aid to Farmers

Functions  
Convocations  
Course Appraisal  
New Courses

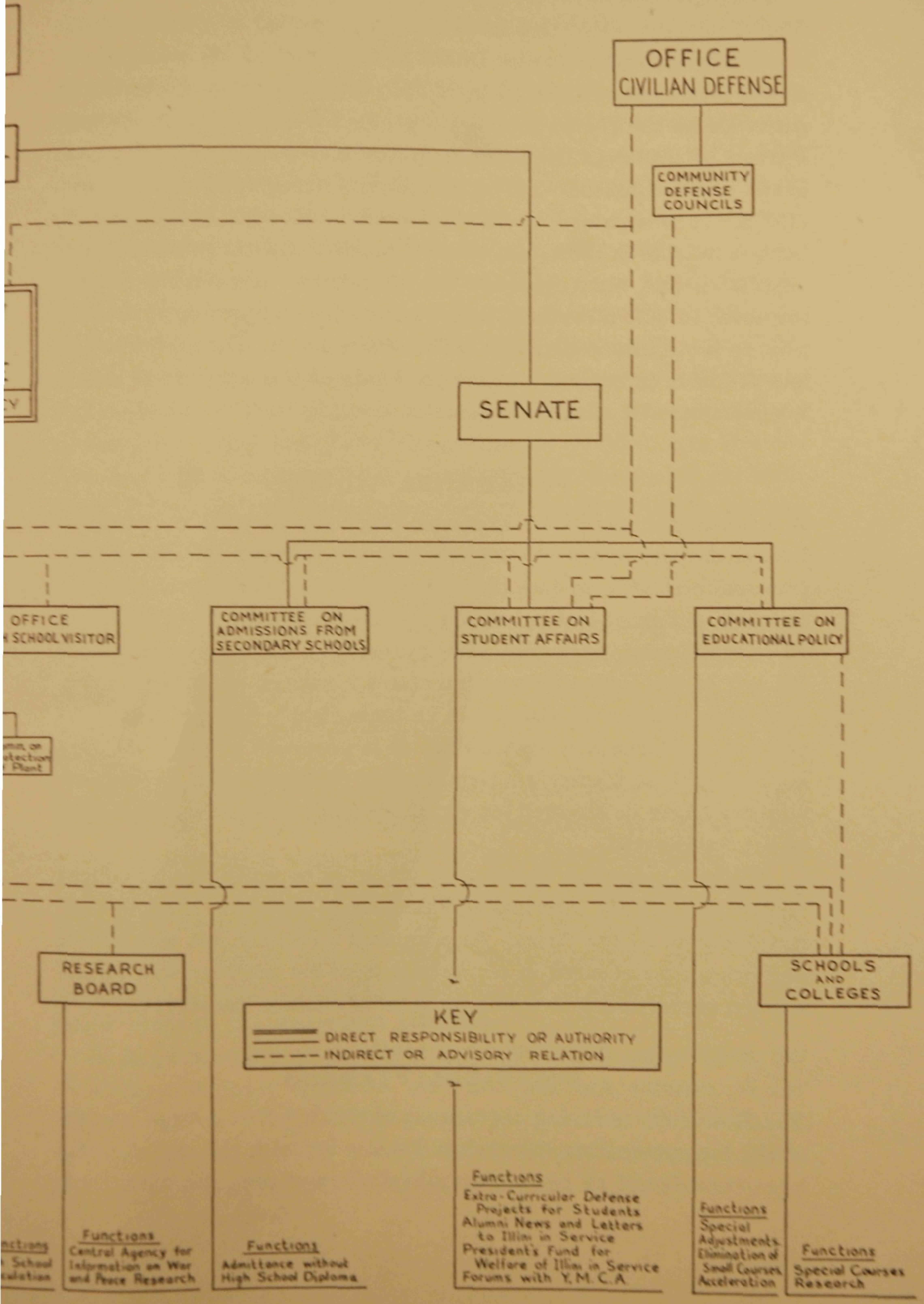
PERSONNEL  
BUREAU

Functions  
Protection of  
Life & Property  
Disaster & Panic  
Control  
Training of  
Personnel

Functions  
"Manpower"  
Survey  
Test Results to Army

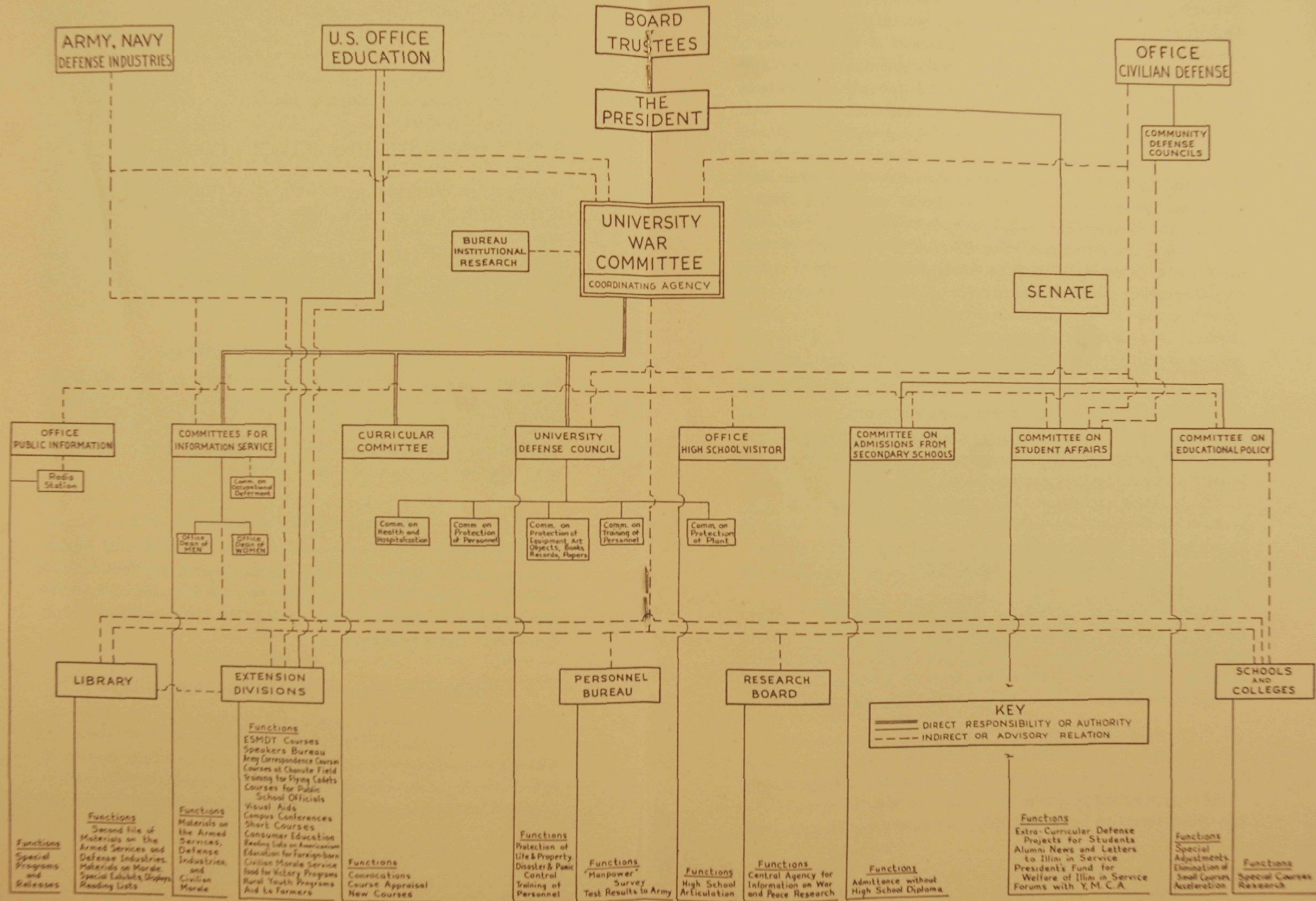
# SITUATION, UNIVERSITY OF ILLINOIS

CAMPUS



# ORGANIZATION FOR MEETING THE WAR SITUATION, UNIVERSITY OF ILLINOIS

URBANA CAMPUS



### **WAR INFORMATION CENTERS**

The University War Committee has established war information centers in the offices of the Deans of Men and of Women respectively. The Office of the Dean of Men maintains a complete file of materials on the Navy, Marine Corps, Army, Coast Guard, Federal Bureau of Investigation, United States Marine Commission, Civil Service, and numerous industrial agencies doing war work. A second file is maintained in the University Library. In addition to being available in these two centers, much of the material has been abstracted and mimeographed for the use of some forty faculty members to whom students may go for advice regarding their relation to the military situation. The Office of the Dean of Women has available information about the kinds of war services to which women can most effectively contribute.

### **PERSONNEL WORK**

A deficiency of manpower in certain fields necessary to the prosecution of the war is already evident, and the National Roster of professional men will, no doubt, uncover additional shortages. In order to locate potential manpower among the students, and advise them more intelligently regarding their university training, the Personnel Bureau of the University contemplates a survey of the entire student body. Such a survey would be immediately important for purposes of guidance and counselling. It is proposed to place the data in the hands of faculty advisers so that students with appropriate abilities might be directed toward those fields where shortages exist or are anticipated.

Military induction centers are prepared to make use of college reports of students' interests and abilities in assigning them to various branches of the Army. At a student's request, his test results and other data secured in conference with his advisers will be forwarded to the center at which he is inducted into the service.

### **PHYSICAL FITNESS**

The University is taking cognizance of the fact that a large number of the men presenting themselves for service with the armed forces have been found to be in poor physical condition. So that every

male student may be brought to his highest possible level of physical fitness, in the future new undergraduates will be required to take a motor fitness test. Those found deficient in this test will be given special and intensified training. Freshmen and sophomores who pass the physical fitness test will be assigned to such classes as will be most valuable to them in the present emergency. The offerings in lighter "leisure" sports are being greatly reduced so that the sports available for most students will be of the toughening and strengthening kind. "Keep-fit" clubs for students, townspeople, and faculty are also conducted for those who wish to improve their condition in preparation for future military service.

Professor S. C. Staley, Director of the School of Physical Education, is acting as adviser to the Army and Navy in the revision and expansion of their physical training programs. He is consultant to the Joint Army and Navy Committee on Welfare and Recreation, and in this capacity he is continually called upon to establish physical training programs throughout the country for the various arms of the service.

### **THE LIBRARY**

The Browsing Room of the University Library is being reorganized so that books and pamphlets relating to war, defense, and the problems of peace can be made available to the students and the public. Other appropriate publications and exhibits are displayed in the lobbies.

As noted above, a second war information center is maintained in the Library. In addition to current pamphlets and other documents dealing with opportunities in the various branches of the Army and Navy, and in war industries, this center will serve as a depository for materials assembled for the civilian morale program. As a further contribution to civilian morale, reading lists on war problems are being prepared for distribution to students and to the public through the Extension Division.

A large amount of pertinent material which bears upon the emergency is being collected and the reference services of the Library are at the disposal of the Government and industry. Prompt response is being made to many appeals for loans of books and journals dealing with technical problems. The Director of the



Library, Dr. Carl M. White, is a member of the Wartime Committee on Information and Education of the American Library Association.

### RESEARCH

Research work bearing on the war program by members of the staff is so varied and extensive that no complete statement on it can be given here. Also, much of this work is of a confidential nature and cannot therefore be reported. It seems fitting, however, to describe a few of these activities to give some indication of their trend and scope.

Dr. Roger Adams, Head of the Department of Chemistry, is Chairman of Division B (Chemistry and Chemical Engineering) of the National Defense Research Committee. In cooperation with more than 25 other members of his Department he is working on extremely important Government research related to the war. Professor F. W. Loomis, Head of the Department of Physics, and six of his colleagues are on leave of absence to carry on a program of investigation related to naval affairs. The results of these two programs are already beginning to appear on the battle front in all parts of the world.

The College of Agriculture is doing intensified work on those sections of its regular research program which give most promise of yielding results in time to be used effectively in the present emergency. Research in human and animal nutrition has been greatly extended, particularly with respect to food preparation and to substitutes for foods and feeds which are likely to be scarce during the war. Research in the breeding of new crops, especially vegetable crops and high oil bearing seeds, in animal hygiene and preventive medicine, in plant diseases and insect pests is being vigorously prosecuted.

Recently a member of the staff of the Botany Department has been in Mexico studying plants which have rubber content in preparation for research in plants which may be developed to produce rubber.

Investigations in the College of Engineering are yielding results which are of great value to the defense program, as, for example, the determination of stresses on airplane parts by the use

of polarized light. Because of its unique equipment and competent staff, many special testing problems are brought to the College such as the reaction under vibration of certain forms of stiffeners for airplane wings. Other investigations in which the Federal Government is directly interested concern light alloys suitable for airplane propellers, the strength of plastics, welded and riveted joints, and structural problems involving concrete. The work being done on welded and riveted joints is for the United States Navy and bears directly on the design of warships of various classes. The data secured in the investigations of reinforced concrete promise to be of great importance in evaluating the strength of existing bridges in carrying military loads. Probably more information is available at the University of Illinois on this subject than anywhere else in the world. Heat treatments in plants manufacturing munitions is another problem under study, and the Ceramics Department, in cooperation with industry, is vigorously pursuing a search for effective metal substitutes for both civilian and military use.

Many staff members in the College of Engineering act in an advisory capacity to industries working on war contracts. For instance, one man has under scrutiny the designs of a new tank being developed for the Ordnance Department by the Caterpillar Tractor Company of Peoria, Illinois; another acts as adviser on the heat treatment of the steel used in projectiles; while a third is Chairman of the War Products Advisory Committee for manufacturers having war contracts in Central Illinois.

The Engineering Library began early to augment its facilities dealing with wartime needs, particularly in all branches of aeronautics and civilian defense. These resources are much used by the personnel of Chanute Air Field.

The College of Fine and Applied Arts is doing research work to determine the best methods of construction to meet such emergencies as bombing, gas attack, or fire. Several members of this College are working on zoning and site planning for defense housing, and considerable attention is being given to the art of camouflage. The Library of the College of Fine and Applied Arts, like the other departmental libraries on the campus, is acquiring much material related to the particular aspects of the war in which it is interested.

An intensive study of chemicals and drugs which can replace those which may not be available during the war is in progress at the College of Medicine in Chicago. Much research has been done on the preservation of blood plasma and a blood transfusion and plasma center is contemplated by the College. Studies in nutrition are continuing, especially with reference to the prevention of fatigue. In order to find ways in which the resistance of pilots to anoxia may be increased, the reaction of the brain to low barometric pressures and the effects of physiological factors as well as drugs on resistance to anoxia are being analyzed. Other experiments are being conducted to determine the action of sulfonamides in wounds. The departments of oral surgery and orthodontia are working jointly on the development of methods for treating jaw injuries. In view of the importance of aviation medicine, an investigation is being carried on jointly by the College of Medicine and the College of Engineering into the influence of atmospheric environment in relation to war medicine, particularly aviation medicine.

#### **DIVISION OF UNIVERSITY EXTENSION**

(1) Under the Engineering, Science, and Management Defense Training Program, college-level courses are being offered in 27 Illinois industrial communities. This program is under the supervision of Professor R. B. Browne, Director of the Division of University Extension. The courses are designed for persons who wish to refresh their knowledge or to qualify themselves for new positions in defense industries. They are taught by regular staff instructors drawn chiefly from the College of Engineering and by qualified engineers or other specialists in the industries. On March first, 5115 students were registered for this work and 649 students were in process of registration for courses about to begin. It is estimated that a final figure of 6400 student enrollments for this year's program, ending June 30, will be conservative. The courses now given are Elementary Electrical Engineering; Chemistry of Powder and Explosives; Sanitary Engineering for the Emergency; Pre-foremanship; Elementary Engineering Drafting; Advanced Engineering Drafting; Shop Mathematics; Production Engineering; Elementary Tool Design; Elementary Machine Design;

Motion and Time Study; Safety Engineering; Personnel and Industrial Relations; Heat Treatment of Steel; Foundry Sand Control; Engineering Chemistry; Mathematics, Mechanics, and Strength of Materials; Engineering Physics; Electrical Circuits; Industrial Cost Accounting; Supervisory Training; Power Circuits and Machines; Stress Analysis; Ultra-High Frequency Techniques; Theory and Practice of Reinforced Concrete Design; Pyrometry; and Training for Radio Engineers and Technicians. Further courses are in the process of organization and more industrial communities will probably be added to those already served.

(2) At the request of the Army, courses in conversational Spanish are being given for the officers of the Air Corps at Chanute Field.

(3) A number of correspondence courses are available for men in the training camps. These courses are offered with the cooperation of the Army Institute.

(4) A correspondence course intended to aid public school officials in meeting problems arising from the war is being offered.

(5) A Speakers' Bureau is operated by the Division. On request, the Bureau will recommend faculty and student speakers to civic organizations throughout the State. It is active in booking engagements for those able to inform the public on issues relating to the national war effort. In response to an appeal from the proper officers, faculty speakers are also available for camps in the Sixth Corps Area.

(6) The Director of the Division is State Chairman of the School and College Civilian Morale Service. In this capacity he is in charge of the work being done in conjunction with the Office of Civilian Morale and the United States Office of Education to enroll the services of the schools, colleges, and libraries of the State in promoting civilian morale.

(7) The Visual Aids Service of the Division is distributing to schools motion picture films that dramatically present important events in our history. Films on the story of the Declaration of Independence, of the American Constitution, and of the Bill of Rights are examples. Instructional films depicting operations of milling machines, turret lathes, precision instruments, as well as a large number of films in the fields of heat, sound, light, elec-

tronics, communications, and transportation, are in continuous use.

(8) The Division sponsors a research project in adult education that has been engaged, under the auspices of the United States Department of Justice, in the preparation of materials and the training of teachers for the education of the foreign born.

(9) Many of the institutes and conferences which the Division conducts are concerned with war problems. Two examples will illustrate the variety of groups which are served. The Leadership Institute of the Illinois Congress of Parents and Teachers, to be held in June, will consider the impact of the war on the public schools. In October the second annual conference for foremen in defense industries will be held.

(10) In cooperation with the University Library, the Division is projecting a series of reading lists on the understanding of America, its aims, the war, and the peace to follow. These lists are distributed to all the libraries in the State.

### **AGRICULTURE AND HOME ECONOMICS EXTENSION**

The acceleration of oil-producing crops and protective foods, including soybeans, dairy, poultry, and pork products, and vegetables, is being energetically promoted and the activities of subject-matter specialists are being coordinated to urge on farmers the use of specific proven practices. Suggestions for adjustment to labor difficulties and to shortage of materials are being offered. Shortages of standard materials for spraying and insect control, for example, require advice concerning suitable substitutes.

The Illinois Food-for-Victory Program is actively encouraging citizens of the State to plant home, country, and school gardens and to expand the usual farm gardens. By this means a considerable amount of commercially grown crops can be released for the armed forces, for city dwellers, and for people in allied countries. Programs are also being developed to encourage better food habits and to keep rural people acquainted with the most timely forms of economic information. Rural youth are being educated for war emergency needs and with respect to the contributions to defense which they can make through their organized 4-H Clubs and older rural youth programs.

## PROTECTION OF LIFE AND PROPERTY

Although the probabilities of enemy attack in Central Illinois may be remote, the University has made plans for meeting on short notice any disaster which might strike the campus. A special committee has been placed in charge of studying all conceivable eventualities and of making complete preparation for the safety of both life and property. This committee is organizing the staff and student body in anticipation of air raids, it has set up the necessary measures for the protection of personnel, books, valuable records, scientific equipment and papers, and it is training volunteers, from both the staff and student body, to combat fires, to assist in administering first aid, and to police property.

Upon recommendation of the Federal Bureau of Investigation, the following steps have been taken to protect the Physical Plant of the University: (1) exterior floodlighting of essential service plants; (2) issuance of identification cards to all Physical Plant employees; (3) guard protection for important buildings. In addition to these precautions, the Physical Plant Department has a program of instruction for its employees so that in the event of any calamity they will be fully prepared. Hospitals in the Chicago departments are equipped with blackout facilities.

## RADIO

The University Radio Station WILL, directed by Professor J. F. Wright, is using its facilities to present numerous programs bearing on national defense. As a new departure, the station is operating on Sundays. Spot announcements are given for War Savings programs, and for the Army, Coast Guard, Marines, Navy, Civil Service Commission, and other agencies broadcasting matters of public interest. Transcribed programs, for the Army, Navy, WPA defense projects, and all of President Roosevelt's recent talks, as well as a recent address by Prime Minister Churchill, are relayed over the air.

Several new programs are operating. Among them are (1) foreign trade, with special emphasis on South America; (2) economic problems of the defense program; and (3) town-meeting discussions of current affairs.

### **VARIOUS OTHER WAR SERVICES**

At the end of April, 180 members of the faculty and staff had left the University to enter military or other war services. Of these, 58 had resigned and 122 had been granted leaves of absence. A large number of staff members, however, while not on special leave for war work, are continuously giving a large proportion of their time to various calls for public service. A sampling of these activities will further reveal the extent to which the resources of the University are mobilized for war.

**Aid to Draft Boards and Selectees.** In Chicago approximately 60 members of the staff of the Colleges of Medicine and Dentistry participate in examining selectees, either in an examination unit at the Research and Educational Hospital, which handles 200 selectees weekly, or as medical examiners for local draft boards. Many members of the staff serve on various advisory boards for Selective Service examinations and the rehabilitation of selectees.

All members of the faculty of the College of Law have volunteered to give free legal aid to men in the service and their dependents, to assist draftees in answering their questionnaires, and to provide legal advice for defense council and rationing boards. The College offers a special course in Military Law and Defense Legislation.

A large number of staff members are active on State and Community committees or commissions. A few examples are the following: Dean R. B. Allen, Executive Dean of the Chicago Colleges, is a member of the Executive Committee of the Medical Advisory Council to the Chief of the Emergency Medical Services for the Chicago Metropolitan Civilian Defense area. Governor Green has appointed two men, Dean H. P. Rusk, of the College of Agriculture, and Dean C. M. Thompson, of the College of Commerce, to serve on the Illinois State Council of Defense, and recently has appointed Dean Thompson as Chairman of the Committee on the Adjustment of Business to War Conditions for the Council. Dean Thompson has been granted a leave of absence for this undertaking. Professor V. E. Ferrall of the College of Law has been named a member of the Legal advisory Committee of the Council. Provost A. J. Harno, Dean of the College of Law, is serving on the Governor's

Advisory Committee on Delinquency Prevention, while Dr. F. H. Falls, of the Department of Obstetrics and Gynecology in Chicago, is Chairman of the Governor's Advisory Committee on Maternal Welfare of the State Department of Public Health. He is working on a plan for maternity care for the families of service men.

**Drug Cultivation.** Members of the College of Pharmacy are working on a cooperative project in drug cultivation with the Department of Horticulture of the College of Agriculture. Approximately three acres of ground will be used to cultivate digitalis, belladonna, and hyoscyamus in order that the supply of these important drug-bearing plants may be sustained.

**Casualty Station.** The College of Medicine is organizing a casualty aid station in connection with the civilian defense program; several members of the staff are planning for medical emergency service in anticipation of any disaster which might strike the Chicago area.

**Campus Conferences.** Many University departments are giving their assistance to conferences of citizens meeting on the campus for discussions of war problems. The College of Commerce is a frequent host to business groups. Its Bureau of Economic and Business Research is actively compiling information on how individual communities are meeting emergencies and then organizing and redistributing this material. It is hoped to expand the service in the immediate future to aid the small business of the State. The College of Education sponsors conferences of representatives of the public schools, and is vigorously stimulating the planning of educational programs both for the war and for the post-war periods. Refresher courses in nutrition for workers in the field are being given by the Department of Home Economics. Many other examples might be cited.

### **PERSPECTIVE**

The University of Illinois is the product of the vision and energies of a free society. It was conceived in the understanding of the forces of democracy by farseeing statesmen who held that a free society could not endure unless supported by a system of free education which had as its capstone the state university. The University of Illinois was made possible through the passage of the



Morrill Act by the Congress of the United States, and it became a reality through the action of the Legislature of the State of Illinois. It thus represents the fulfillment of the dreams and yearnings of democracy; it is, in truth, the expression of the State and the Nation. The University pledges itself to mobilize all of its resources and to devote all of its energies to the service of that State and Nation. It recognizes its responsibilities and it recognizes also that its most worthy contribution is to advance research, to train experts, and to educate men and women that these, its products, may support and sustain that State and Nation to the end that the principles and ideals for which they stand may endure.

#### UNIVERSITY WAR COMMITTEE

Director R. B. Browne

Professor J. J. Doland

Professor J. O. Draffin

Director C. R. Griffith

Professor H. N. Hillebrand

Provost A. J. Harno, Chairman

Jessie Howard, Secretary of the Committee