

It Belongs to *You*

There is a certain pride in possession. Often, however, we are owners of things of which we are not fully aware. Do you realize that one of the greatest properties of its kind in the world belongs to you? Do you know that you are the owner of the University of Illinois? Read the next few pages and be proud that you are!

THE LIBRARY OF THE

MAR 4 1925

UNIVERSITY OF ILLINOIS

[Entered as second-class matter December 11, 1912, at the post office at Urbana, Illinois, under the Act of August 24, 1912. Acceptance for mailing at the special rate of postage provided for in section 1103, Act of October 3, 1917, authorized July 31, 1918.]

PUBLISHED BY THE UNIVERSITY OF ILLINOIS, URBANA

TENS OF THOUSANDS of citizens come from all quarters of the state each year to visit the University of Illinois, a large number of them to remain several days. Even so, unless they make a particular study of the institution and its work, they cannot grasp in so short a time the magnitude, yet simplicity, of it all.

They know of its teaching work, for they see the ten thousand or more students going from class to class at all hours of the day. But they cannot see the other things—the administrative organization and how it functions, or the numerous conferences held throughout the state (perhaps at that particular time) by the extension specialists. Neither can they see the great things being accomplished in research, because the problems on which most of the scientists are working seem to the casual onlooker unimportant and there is no great show of activity. But more important, the visitors do not always learn of the great discoveries that the University has made in the past and of some which may be nearing completion.

Most of the visitors then should come again, and often, and inquiringly.

The following facts, for the most part concerning the University's activities, other than teaching, for the past two years, are offered to our friends that they may realize what their University is doing, and rejoice with its staff in the accomplishments.

loam so trea
corn an acre
that was not
corn. Result
experiment f

NOT ONLY
faculty recog
respective lin
them by nat
similar lines

FOUR CON
farm advisor
University e
projects outl
these results
from which t

TWO IMPO
been announ
vacuum dete
any on the n
the non-carri

FERTILIZE
that acid pho
increased pro

CULTIVATIO
peas proved
apple orchar
University at

THE SCH
the service c
in the new St
Considerable
patients will
pharmaceutic

SUCH IM
warm air fu
association o
a new "resea

THE USE
the peach o
favorably.

THE UNI
low-temperat
"worth untol

YEARS AGO
of limestone
state and oth
yields. In so
increased 50%
year for the

CLOSE TO 200 investigations, each bearing on some problem in Illinois, are now being carried on by the Agricultural Experiment Station of the University in the interest of more profitable agriculture and better living conditions on the farm.

THE COUNTRY NEED not fear famine as population increases. For if the University's recommendations of improved rotation and soil treatment were used throughout the state, in normal years there would be an increased corn crop of 185,000,000 bushels, the wheat crop would be increased 27,000,000 bushels, oats 43,000,000 bushels, and hay 2,000,000 tons.

TEN SERIES of important engineering investigations are being carried on co-operatively by the University's Engineering Experiment Station and outside organizations interested in the solution of similar problems. Funds to assist in carrying out such work are given by interested concerns.

THIRTY-EIGHT other important research projects are being carried on solely by the Engineering Experiment Station.

THIRTY-NINE PUBLICATIONS of the *Agricultural* Experiment Station at the University have been issued the past two years. These include 15 bulletins, 19 circulars, and 4 county soil reports. Such publications are widely distributed.

ELEVEN BULLETINS and two circulars have been published by the *Engineering* Experiment Station the past two years, taking to the people the results of research work conducted by the station—new discoveries or better ways of doing things.

THE ILLINOIS SOIL SURVEY, whereby the University is analyzing and mapping every few feet of soil in the state as a basis for future recommendations on how to conserve and increase fertility, is practically completed; 26 of the county soil reports have been published. Others will follow.

FIVE "SHORT COURSES" of instruction open primarily to citizens of the state are offered by the College of Engineering. They are (1) Plumbing, Heating, and Hydraulics; (2) Ceramic Engineering; (3) Highway Short Course; (4) Electric Metermen, and (5) Gas Metermen. Funds for the two latter courses were furnished by the Illinois State Electric Association and the Illinois Gas Association, respectively.

THE MEDICAL COLLEGE of the University—located at Chicago—aims to train three types of men—practitioners, investigators, and teachers. A

great d
tion of
through

IN
Dispen
crowde

THE
past ye
in high
notewo

MO
annuall
service
projects
mechan
mology
club wo
ings an
by exte
planning

THE
devised
butter-r
system

YEA
related
in the
meant
words, t
lbs. of l
1/4 as m
milk and

FOR
military
awarded

MIL
Infantry
Corps, a
officers
Universi
caring f
mately
ment ho
purposes

MUC
has been
result o
potassium
ment fie

great deal of emphasis is given towards the prevention of disease and the causes can only be discovered through research.

IN THE PAST TWO YEARS the University of Illinois Dispensary handled 57,375 cases in spite of the overcrowded conditions prevalent at that time.

THE COLLEGE OF MEDICINE faculty during the past year have had published more than 100 articles in high-class journals. Many others have written noteworthy books.

MORE THAN 400 project demonstrations are held annually by the University's agricultural extension service in various counties in the state. These projects include soils, crops, animal husbandry, farm mechanics, horticulture, dairy husbandry, entomology, farm management, marketing and junior club work. In addition, approximately 1,000 meetings and conferences have been attended each year by extension service representatives who assist in planning and carrying out these demonstrations.

THE DAIRY DEPARTMENT of the University devised a generally used method for condensing butter-milk and more recently has worked out a system for making butter-milk out of skimmed milk.

YEARS OF EXPERIMENTAL WORK along several related lines developed that a sixty percent increase in the milk and butter-fat production of a cow meant a 400 percent increase in profits. In other words, the cow producing 5000 lbs. of milk and 200 lbs. of butter-fat in a year makes her owner about $\frac{1}{4}$ as much profit as the cow producing 8,000 lbs. of milk and 320 lbs. of butter-fat.

FOR YEARS, because of the excellence of its military training work, the University has been awarded the designation of "Distinguished College."

MILITARY instruction at the University includes Infantry, Field Artillery, Cavalry, Engineers, Signal Corps, and Air Service. Twenty-two regular army officers and 42 enlisted assistants, are on duty at the University, the former as instructors, the latter caring for federal equipment, valued at approximately \$1,150,000. There are also 129 war department horses at the University used for instructional purposes.

MUCH PEATY SWAMP LAND in northern Illinois has been changed into profitable farm land as the result of successful University tests made with potassium fertilizers on such land. On the experiment field near Tampico, Whiteside county, peaty

loam so treated produced from 41 to 55 bushels of corn an acre as a three year average, while the land that was not treated failed to produce a single ear of corn. Results almost as striking were obtained on experiment fields in Kankakee and Mason counties.

NOT ONLY are many members of the University faculty recognized international authorities in their respective lines, but many have had honors tendered them by national and foreign societies interested in similar lines of study.

FOUR CONFERENCES are held each year with the farm advisors of the state, at which results of the University experimental work are discussed and projects outlined for the purpose of demonstrating these results to the farmers in the various counties from which the advisors come.

TWO IMPORTANT radio contributions have recently been announced. One was the perfection of a vacuum detector tube several times as sensitive as any on the market; the other was the perfection of the non-carrier wave system of broadcasting.

FERTILIZER EXPERIMENTS with roses indicated that acid phosphate in comparatively large amounts increased production.

CULTIVATION and the use of a cover crop of cow-peas proved the most profitable treatment in an apple orchard soil experiment conducted by the University at Neoga.

THE SCHOOL OF PHARMACY will be in charge of the service of dispensing medicines to the patients in the new State hospital recently erected in Chicago. Considerable saving to the State is expected and patients will realize prompt, efficient, and accurate pharmaceutical service.

SUCH IMPORTANT RESULTS were secured in the warm air furnace investigations, that the national association of manufacturers contributed money for a new "research residence" and equipment.

THE USE OF POTASH in addition to nitrogen in the peach orchard experiments at Olney resulted favorably.

THE UNIVERSITY has further improved its Parr low-temperature process for coking Illinois coal, "worth untold wealth to the state."

YEARS AGO the University recommended the use of limestone to correct acidity in certain soils in the state and otherwise build up the land for bigger crop yields. In some counties the use of limestone was increased 50% and in a few as much as 1,000% a year for the past two years.

A
Busine
the Co
studies
any so
furnish
proble
busine

A
that a
practic

Th
from 3
as a
demon

RE
most c
them,
Engine
incorpo
railroa
tion of
ways t

Two
ducted
media
than t

A so
indust
versity
securin
The si
world's

THE
milk, c
covere

Co
sarily
has di
stand

EN
during
in 190
in the

UN
down
genera
articles
in add
similar

A COMPARATIVELY NEW PROCEDURE is a Bureau of Business Research, maintained in conjunction with the College of Commerce. Its staff makes thorough studies of problems relating to business. It avoids any service purely commercial, confining itself to furnishing fundamental information and to civic problems. It publishes bulletins, primarily for business men, containing important information.

A SOYBEAN MACHINERY investigation brought out that about $\frac{1}{3}$ of the beans are being wasted by practices commonly followed in harvesting.

THE STATE ACREAGE of legumes has increased from 36,000 acres in 1919 to 442,000 acres in 1923 as a result of university recommendations and demonstrations.

RESEARCH RESULTS which touch the lives of almost every person, although often not realized by them, have been discovered by the University's *Engineering* Experiment Station and have been incorporated in building projects of many lines, in railroad operation and maintenance, in the construction of buildings, in heating our homes, and in other ways too numerous to mention.

TWO YEARS OF EXPERIMENTS with swine type conducted by the University indicate that the *intermediate* type of Poland Chinas are more desirable than the extremes. This knowledge is valuable.

A SCIENTIFIC DISCOVERY of importance to the cocoa industry of the world has been announced by a University scientist which leads to practical means of securing a uniform and better product at less cost. The significance of a cut of 2 cents a point in the world's output can well be imagined.

THE ORGANISM that produces the tallowy flavor in milk, cream, and other dairy products has been discovered by the University.

COMMERCIAL PASTEURIZATION does not necessarily always kill all milk bacteria. The University has discovered in milk certain bacteria which will stand a temperature of 145 degrees F. for five hours.

ENROLLMENT IN THE UNIVERSITY has increased during the past quarter century from 2225 students in 1900 to an enrollment of 11,083 in 1924, figures in the University registrar's office show.

UNIVERSITY PEOPLE not only teach but they set down their knowledge in printed form for future generations. About 80 books and several hundred articles were published by faculty people last year in addition to the regular bulletins, circulars, and similar University publications.